

## Cy Dye Free Acid (羧酸花菁染料)

### 1 产品介绍

#### 产品简介：

花菁染料 Cy dye free acid 系列是一类荧光标记染料，含有游离的、未活化的单官能团羧酸，其中 Cy free acid 是非水溶性形式，Sulfo-Cy free acid 是磺酸化的高水溶性形式。在多数情况下，该系列染料不具有反应活性，可用于样品对照或仪器校准。

#### 产品特点：

- 稳定性强：荧光亮度高且抗淬灭性好；
- 批间差小：批间差控制的好；
- 选择灵活：提供多种颜色 Cy dye free acid 染料，选择灵活方便。

#### 适用范围：

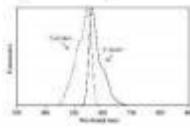
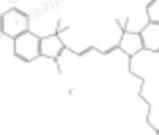
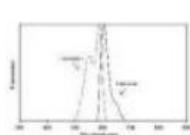
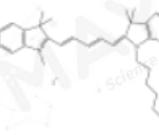
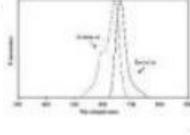
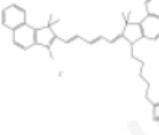
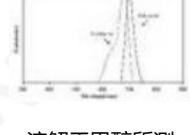
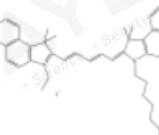
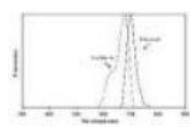
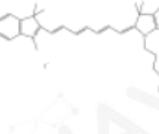
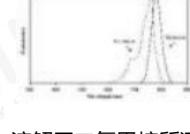
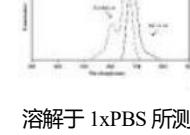
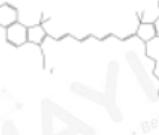
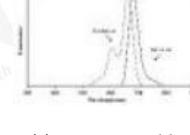
QPCR 仪、荧光显微镜、流式细胞仪通道校准

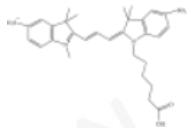
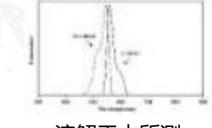
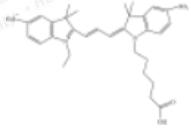
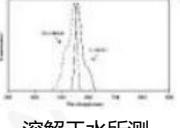
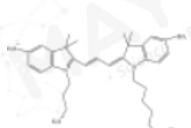
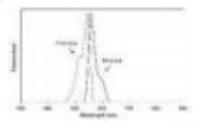
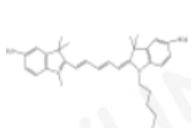
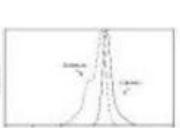
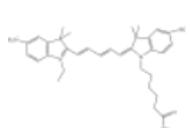
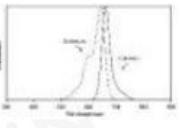
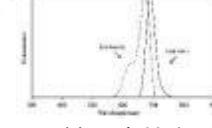
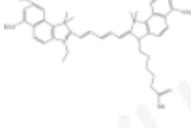
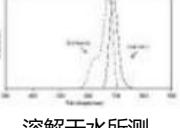
### 2 产品信息

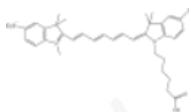
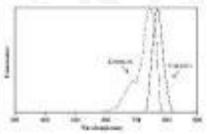
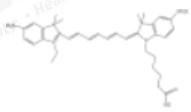
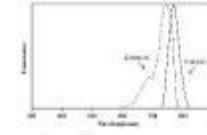
货号	名称	分子式	Abs <sub>max</sub> /Em(nm)	Extinction coefficient(ε)	MW	外观
MS1302	Cy3-M free acid (Cy3-甲基)	C <sub>30</sub> H <sub>37</sub> IN <sub>2</sub> O <sub>2</sub>	545/560	150,000	584.5	可溶于 DMSO、DMF、甲醇或二氯甲烷的深红色固体
MS1296	Cy3.5-M free acid (Cy3.5-甲基)	C <sub>38</sub> H <sub>41</sub> IN <sub>2</sub> O <sub>2</sub>	586/603	116,000	684.7	可溶于 DMSO 或 DMF 的深红色固体
MS1303	Cy5-M free acid (Cy5-甲基)	C <sub>32</sub> H <sub>39</sub> IN <sub>2</sub> O <sub>2</sub>	640/659	250,000	610.6	可溶于 DMSO、DMF、甲醇或二氯甲烷的蓝色固体
MS1310	Cy5.5-M free acid (Cy5.5-甲基)	C <sub>40</sub> H <sub>43</sub> IN <sub>2</sub> O <sub>2</sub>	679/700	198,000	710.7	可溶于 DMSO、DMF、甲醇的蓝色固体
MS1278	Cy5.5-E free acid (Cy5.5-乙基)	C <sub>41</sub> H <sub>45</sub> IN <sub>2</sub> O <sub>2</sub>	680/702	198,000	724.7	可溶于 DMSO 或 DMF 的蓝色固体
MS1304	Cy7-M free acid (Cy7-甲基)	C <sub>34</sub> H <sub>41</sub> IN <sub>2</sub> O <sub>2</sub>	763/782	199,000	636.6	可溶于 DMSO、DMF、甲醇或二氯甲烷的绿色固体
MS1308	Cy7.5-M free acid (Cy7.5-甲基)	C <sub>42</sub> H <sub>45</sub> IN <sub>2</sub> O <sub>2</sub>	788/808	223,000	736.7	可溶于 MeOH、DMF 或 DMSO 的深蓝色固体

货号	名称	分子式	Abs <sub>max</sub> /Em(n m)	Extinction coefficient(ε)	MW	外观
MS1309	Cy7.5-E free acid (Cy7.5-乙基)	C <sub>43</sub> H <sub>47</sub> IN <sub>2</sub> O <sub>2</sub>	788/808	223,000	750.8	可溶于 MeOH、DMF 或 DMSO 的深蓝色固体
MS1305	Sulfo-Cy3-M free acid (磺酸基-Cy3-甲基)	C <sub>30</sub> H <sub>35</sub> N <sub>2</sub> KO <sub>8</sub> S <sub>2</sub>	547/560	162,000	654.8	可溶于水、DMF、DMSO 或 甲醇的深红色固体
MS1232	Sulfo-Cy3-E free acid ( 磺酸基 -Cy3-乙基)	C <sub>31</sub> H <sub>37</sub> KN <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	548/560	162,000	668.9	可溶于水、DMSO 或 DMF 的深红色固体
MS1291	Sulfo-Cy3-3 free acid ( 磺酸基 -Cy3-3 )	C <sub>32</sub> H <sub>38</sub> K <sub>2</sub> N <sub>2</sub> O <sub>11</sub> S <sub>3</sub>	549/563	162,000	801.0	可溶于水、DMSO 或 DMF 的深红色固体
MS1306	Sulfo-Cy5-M free acid ( 磺酸基-Cy5-甲基)	C <sub>32</sub> H <sub>37</sub> KN <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	646/662	250,000	680.9	可溶于水、DMSO 或 DMF 的深蓝色固体
MS1233	Sulfo-Cy5-E free acid ( 磺酸基 -Cy5-乙基)	C <sub>33</sub> H <sub>39</sub> KN <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	646/662	250,000	694.9	可溶于水、DMSO 或 DMF 的黑绿色固体
MS1279	Sulfo-Cy5.5-M free acid (磺酸基-Cy5.5-甲基)	C <sub>40</sub> H <sub>39</sub> K <sub>3</sub> N <sub>2</sub> O <sub>14</sub> S <sub>4</sub>	673/689	211,000	1017.3	可溶于水、DMSO 或 DMF 的深蓝色固体
MS1282	Sulfo-Cy5.5-E free acid(磺酸基-Cy5.5-乙基)	C <sub>41</sub> H <sub>41</sub> K <sub>3</sub> N <sub>2</sub> O <sub>14</sub> S <sub>4</sub>	674/690	211,000	1031.3	可溶于水、DMSO 或 DMF 的深蓝色固体
MS1307	Sulfo-Cy7-M free acid (磺酸基-Cy7-甲基)	C <sub>34</sub> H <sub>39</sub> KN <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	744/769	240,600	706.9	可溶于水、DMSO 或 DMF 的绿色固体
MS1280	Sulfo-Cy7-E free acid ( 磺酸基 -Cy7-乙基)	C <sub>35</sub> H <sub>41</sub> KN <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	746/772	240,600	720.9	可溶于水、DMSO 或 DMF 的绿色固体

## 2 产品参数

名称	CAS 号	分子结构图	光谱图	效能等同于
Cy3-M free acid (Cy3-甲基)	1251915-29-3		 溶解于甲醇所测	Cyanine 3 carboxylic acid
Cy3.5-M free acid (Cy3.5-甲基)	/		 溶解于甲醇所测	/
Cy5-M free acid (Cy5-甲基)	/		 溶解于甲醇所测	Cyanine 5 carboxylic acid
Cy5.5-M free acid (Cy5.5-甲基)	/		 溶解于甲醇所测	Cyanine 5.5 carboxylic acid
Cy5.5-E free acid (Cy5.5-乙基)	/		 溶解于甲醇所测	/
Cy7-M free acid (Cy7-甲基)	/		 溶解于二氯甲烷所测	Cyanine 7 carboxylic acid
Cy7.5-free acid (Cy7.5-甲基)	/		 溶解于 1xPBS 所测	Cyanine 7.5 carboxylic acid
Cy7.5-E free acid (Cy7.5-乙基)	/		 溶解于 1xPBS 所测	Cyanine 7.5 carboxylic acid

名称	CAS 号	分子结构图	光谱图	效能等同于
Sulfo-Cy3-M free acid (磺酸基-Cy3-甲基)	1121756-11-3		 溶解于水所测	Sulfo Cyanine3 carboxylic acid
Sulfo-Cy3-E free acid (磺酸基-Cy3-乙基)	1121756-11-3		 溶解于水所测	Alexa Fluor 555, TRITC, DyLight549
Sulfo-Cy3-3 free acid (磺酸基-Cy3-3)	/		 溶解于水所测	Alexa Fluor 555, TRITC, DyLight549
Sulfo-Cy5-M free acid (磺酸基-Cy5-甲基)	1144107-82-3		 溶解于水所测	Sulfo Cyanine5 carboxylic acid
Sulfo-Cy5-E free acid (磺酸基-Cy5-乙基)	/		 溶解于水所测	Alexa Fluor 657, TRITC, DyLight640
Sulfo-Cy5.5-M free acid (磺酸基-Cy5.5-甲基)	/		 溶解于水所测	/
Sulfo-Cy5.5-E free acid (磺酸基-Cy5.5-乙基)	/		 溶解于水所测	Alexa Fluor 680

名称	CAS 号	分子结构图	光谱图	效能等同于
Sulfo-Cy7-M free acid (磺酸基-Cy7-甲基)	/		 溶解于 1xPBS 所测	Sulfo Cyanine 7 carboxylic acid
Sulfo-Cy7-E free acid (磺酸基-Cy7-乙基)	/		 溶解于水所测	Alexa Fluor 750 DyLight750

#### 4 储存与运输

储存条件: -20 °C 避光保存

运输条件: 冰袋运输

#### 5 注意事项

- 使用前请将产品瞬时离心至管底，再进行后续实验。
- 荧光染料均存在淬灭问题，请尽量注意避光，以减缓荧光淬灭。
- 本产品仅限于科研，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。