Product Data Sheet

Product Name: CY2-SE
Cat. No.: GC30202

Chemical Properties

Cas. No.	186205-33-4		
SMILES	CC[N+]1=C(/C=C/C=C(N2CCCCCC(ON3C(CCC3=O)=O)=O)/OC4=C2C=CC=C4)OC5=CC=CC=C51.[I-]		
Formula	$C_{29}H_{30}IN_3O_6$	M.Wt	643.47
Solubility	DMSO : ≥ 35 mg/mL (54.39 mM)	Storage	Store at -20°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	CY2-SE		

Background

Cy2-SE is an amine-reactive fluorescent probe.[1] It has commonly been used to label proteins.[1,2] Cy2-SE displays excitation/emission maxima of 473/510 nm, respectively.[3]

1.Coombs, K.M.Update on proteomic approaches to uncovering virus-induced protein alterations and virus-host protein interactions during the progression of viral infectionExpert Rev. Proteomics17(7-8)513-532(2020) 2.Park, H., Ha, J., Koo, J.Y., et al.Label-free target identification using in-gel fluorescence difference via thermal stability shiftChem. Sci.8(2)1127-1133(2017) 3.Nikoli?, A., Peri?, M., Ladouce, R., et al.Death by UVC light correlates with protein damage in isogenic human tumor cells: Primary tumor SW480 versus its metastasis SW620J. Proteomics Computational Biol.2(1)1-12(2016)

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