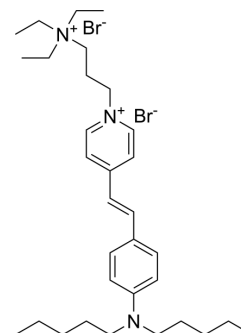


FM1-84

Cat. No.:	HY-D1515
CAS No.:	303727-66-4
Molecular Formula:	C ₃₂ H ₅₃ Br ₂ N ₃
Molecular Weight:	639.59
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : \geq 125 mg/mL (195.44 mM)
* " \geq " means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5635 mL	7.8175 mL	15.6350 mL
	5 mM	0.3127 mL	1.5635 mL	3.1270 mL
	10 mM	0.1564 mL	0.7818 mL	1.5635 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

FM1-84 (Neurodye GH1-84) is a fluorescent dye. FM1-84 has lipophilic and facilitates association with membranes, resulting in an increase in fluorescence intensity (λ_{ex} =510 nm, λ_{em} =625 nm). FM1-84 can be used for synaptic vesicle recycling in neurons research^[1].

REFERENCES

[1]. Wu Y, et, al. Biophysical characterization of styryl dye-membrane interactions. Biophys J. 2009 Jul 8;97(1):101-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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