Data Sheet (Cat.No.T20773)

TargetMol
A DRUG SCREENING EXPERT

Lissamine rhodamine B sulfonyl chloride

Chemical Properties

CAS No.:	62796-29-6
Formula:	C27H29ClN2O6S2
Molecular Weight:	577.1
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Lissamine rhodamine B sulfonyl chloride is a fluorescent label used for forming stable conjugates with protein.

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.733 mL	8.664 mL	17.328 mL
5 mM	0.347 mL	1.733 mL	3.466 mL
10 mM	0.173 mL	0.866 mL	1.733 mL
50 mM	0.035 mL	0.173 mL	0.347 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Lefevre C, Kang HC, Haugland RP, Malekzadeh N, Arttamangkul S, Haugland RP. Texas Res-X and rhodamine Red-X, new derivatives of sulforhodamine 101 and lissamine rhodamine B with improved labeling and fluorescence properties. Bioconjug Chem. 1996 Jul-Aug;7(4):482-9. PubMed PMID: 8853462.

2. Oliveira E, Santos SM, Núñez C, Capelo JL, Lodeiro C. An unusual highly emissive water-soluble iridium lissamine-alanine complex and its use in a molecular logic gate. Dalton Trans. 2016 Jan 21;45(3):1254-8. doi: 10.1039/c5dt03666f. PubMed PMID: 26671832.

3. He Y, Zhao XE, Zhu S, Wei N, Sun J, Zhou Y, Liu S, Liu Z, Chen G, Suo Y, You J. In situ derivatization-ultrasound-assisted dispersive liquid-liquid microextraction for the determination of neurotransmitters in Parkinson's rat brain microdialysates by ultra high performance liquid chromatography-tandem mass spectrometry. J Chromatogr A. 2016 Aug 5;1458:70-81. doi: 10.1016/j.chroma.2016.06.059. Epub 2016 Jun 18. PubMed PMID: 27372412.

4. McKenna N, Meigs JB, Wang YL. Identical distribution of fluorescently labeled brain and muscle actins in living cardiac fibroblasts and myocytes. J Cell Biol. 1985 Jan;100(1):292-6. PubMed PMID: 3965475; PubMed Central PMCID: PMC2113464.

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