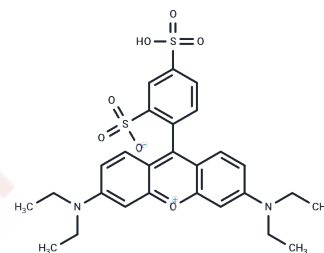


Lissamine rhodamine B

Chemical Properties

CAS No. : 2609-88-3
 Formula: C₂₇H₃₀N₂O₇S₂
 Molecular Weight: 558.67
 Appearance:
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Lissamine rhodamine B, a new Radiotracer, is used for Imaging Tumors by Positron Emission Tomography.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.790 mL	8.9498 mL	17.8997 mL
5 mM	0.358 mL	1.790 mL	3.5799 mL
10 mM	0.179 mL	0.895 mL	1.790 mL
50 mM	0.0358 mL	0.179 mL	0.358 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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- Zhou Y, Kim YS, Yan X, Jacobson O, Chen X, Liu S. 64Cu-labeled lissamine rhodamine B: a promising PET radiotracer targeting tumor mitochondria. *Mol Pharm*. 2011 Aug 1;8(4):1198-208. doi: 10.1021/mp200025m. Epub 2011 May 24. PubMed PMID: 21545131; PubMed Central PMCID: PMC3148415.
- Glunde K, Foss CA, Takagi T, Wildes F, Bhujwala ZM. Synthesis of 6'-O-lissamine-rhodamine B-glucosamine as a novel probe for fluorescence imaging of lysosomes in breast tumors. *Bioconjug Chem*. 2005 Jul-Aug;16(4):843-51. PubMed PMID: 16029026.
- Krishnamoorthy K, Begley TP. Reagent for the detection of protein thiocarboxylates in the bacterial proteome: lissamine rhodamine B sulfonyl azide. *J Am Chem Soc*. 2010 Aug 25;132(33):11608-12. doi: 10.1021/ja1034107. PubMed PMID: 20677756; PubMed Central PMCID: PMC2927480.

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