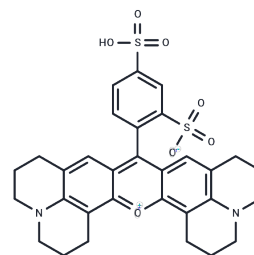


Sulforhodamine 101

Chemical Properties

CAS No. : 60311-02-6
Formula: C₃₁H₃₀N₂O₇S₂
Molecular Weight: 606.71
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sulforhodamine 101 (SR101) is a red fluorescent dye.
Targets(IC50)	Others
In vitro	Sulforhodamine 101 does not label astrocytes in brainstem slices as specific and strong as in the cortex or hippocampus. To minimize excitatory side effects, the concentration of Sulforhodamine 101 has to be kept as low as possible [1].
In vivo	In vivo, Sulforhodamine 101 can induce epileptic activity by intra-hippocampal injection of small volumes of 10 µM or topical application of 100 µM [1].

Solubility Information

Solubility	DMSO: 45 mg/mL (74.17 mM), Sonication is recommended. H ₂ O: 8 mg/mL (13.19 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6482 mL	8.2412 mL	16.4823 mL
5 mM	0.3296 mL	1.6482 mL	3.2965 mL
10 mM	0.1648 mL	0.8241 mL	1.6482 mL
50 mM	0.033 mL	0.1648 mL	0.3296 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

Hülsmann S, et al. Limitations of Sulforhodamine 101 for Brain Imaging. Front Cell Neurosci. 2017 Feb 28;11:44.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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