

DOTA derivative

Chemical Properties

CAS No.:	153777-70-9
Formula:	C ₄₃ H ₅₀ N ₄ O ₈ S ₄
Molecular Weight:	879.14
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	DOTA derivatives are phenoxy derivatives of cyclic Tosamide;Direct nitration;It is more convenient to add nitro group after removing the protection of lithium aluminium hydride.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.137 mL	5.687 mL	11.375 mL
5 mM	0.227 mL	1.137 mL	2.275 mL
10 mM	0.114 mL	0.569 mL	1.137 mL
50 mM	0.023 mL	0.114 mL	0.227 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Martha L Gilbert, et al. A new synthetic route to 2-(p-nitrobenzyl)-1,4,7,10-tetraazacyclododecane. doi:10.1016/S0040-4039(00)73873-1

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