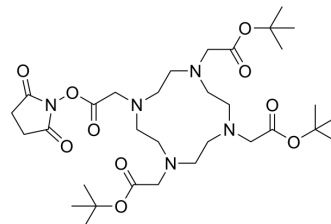


DOTA-tris(tBu)ester NHS ester

Cat. No.:	HY-131326
CAS No.:	819869-77-7
Molecular Formula:	C ₃₂ H ₅₅ N ₅ O ₁₀
Molecular Weight:	670
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (149.25 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.4925 mL	7.4627 mL	14.9254 mL
		5 mM	0.2985 mL	1.4925 mL	2.9851 mL
10 mM	0.1493 mL	0.7463 mL	1.4925 mL		
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.73 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.73 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.73 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	DOTA-tris(tBu)ester NHS ester is a derivative of DOTA for the labeling of peptides and antibodies ^[1] .
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REFERENCES

[1]. Wängler C, et, al. Improved syntheses and applicability of different DOTA building blocks for multiply derivatized scaffolds. *Bioorg Med Chem.* 2008 Mar 1; 16(5): 2606-16.

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

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