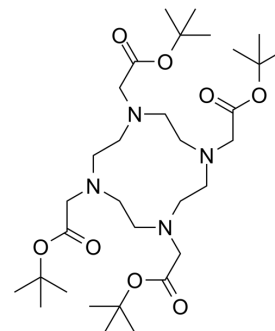


BFCAs-1

Cat. No.:	HY-12691		
CAS No.:	585531-74-4		
Molecular Formula:	C ₃₂ H ₆₀ N ₄ O ₈		
Molecular Weight:	628.84		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (39.76 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.5902 mL	7.9511 mL	15.9023 mL
	5 mM		0.3180 mL	1.5902 mL	3.1805 mL
	10 mM		0.1590 mL	0.7951 mL	1.5902 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (3.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BFCAs-1 is a polyamino polycarboxylic bifunctional chelating agent(BFCAs); a broad range of applications in chemistry, biology and medicine and diagnostic imaging (MRI, SPECT, PET).

REFERENCES

- [1]. Lattuada L, et al. The synthesis and application of polyamino polycarboxylic bifunctional chelating agents. Chem Soc Rev. 2011 May;40(5):3019-49.

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

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