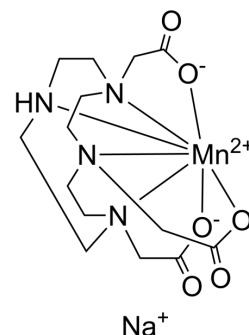


Mn(II)-DO3A sodium

Cat. No.:	HY-157335		
CAS No.:	120066-53-7		
Molecular Formula:	C ₁₄ H ₂₃ MnN ₄ NaO ₆		
Molecular Weight:	421.28		
Target:	Biochemical Assay Reagents		
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

H₂O : 100 mg/mL (237.37 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3737 mL	11.8686 mL	23.7372 mL
	5 mM	0.4747 mL	2.3737 mL	4.7474 mL
	10 mM	0.2374 mL	1.1869 mL	2.3737 mL

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

BIOLOGICAL ACTIVITY

Description

Mn(II)-DO3A sodium is a Mn(II) complex and a potential alternative to Gd-based MRI contrast agents^[1].

REFERENCES

[1]. Artali R, et al. Solution thermodynamics, computational and relaxometric studies of ditopic DO3A-based Mn (II) complexes[J]. New Journal of Chemistry, 2015, 39(1): 539-547.

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

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