Data Sheet (Cat.No.T78655)

TargetMol

Ferric nitrilotriacetate

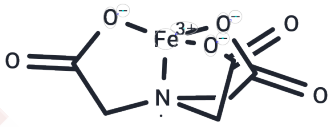
Chemical Properties

CAS No. : 16448-54-7

Formula: C6H6FeNO6

Molecular Weight: 243.96

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ferric nitrilotriacetate (Fe-NTA) is a highly active compound formed by the complexation of iron and nitrilotriacetic acid. It is primarily used to induce degenerative diseases through oxidative stress (OS) and can be applied to establish disease models such as acute kidney injury, renal cell carcinoma, liver cancer, and diabetes.
Targets(IC50)	Others
In vivo	Ferric nitrilotriacetate can be employed in animal modeling to construct renal carcinoma models.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.099 mL	20.4952 mL	40.9903 mL
5 mM	0.8198 mL	4.099 mL	8.1981 mL
10 mM	0.4099 mL	2.0495 mL	4.099 mL
50 mM	0.082 mL	0.4099 mL	0.8198 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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