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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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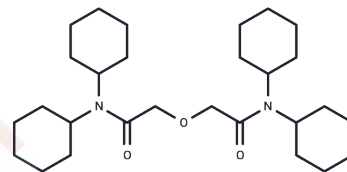
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Calcium ionophore II

Chemical Properties

CAS No. :	74267-27-9
Formula:	C ₂₈ H ₄₈ N ₂ O ₃
Molecular Weight:	460.69
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Calcium ionophore II (N,N,N',N'-Tetracyclohexyl-3-oxapentanediamide) is a lipophilic ionophore that can be used in preparing calcium ion-selective electrode.
Targets(IC50)	Others
In vitro	Calcium ion-selective electrode can be used to measure the intracellular free calcium [1].

Solubility Information

Solubility	DMSO: 2.7 mg/mL (5.9 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1707 mL	10.8533 mL	21.7066 mL
5 mM	0.4341 mL	2.1707 mL	4.3413 mL
10 mM	0.2171 mL	1.0853 mL	2.1707 mL
50 mM	0.0434 mL	0.2171 mL	0.4341 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.

Reference

Ma YL, et, al. A study of calcium ion-selective PVC membrane electrode based on neutral carrier N,n,n',n'-tetracyclo-3-oxapentanediamide (correction of oxapentanediamide). J Tongji Med Univ. 1992;12(2):98-102.

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