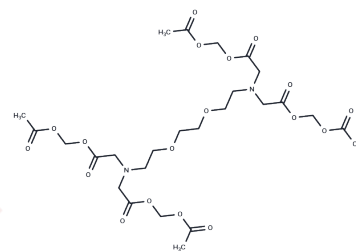


EGTA-AM

Chemical Properties

CAS No. :	99590-86-0
Formula:	C ₂₆ H ₄₀ N ₂ O ₁₈
Molecular Weight:	668.6
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	EGTA-AM (EGTA Acetoxymethyl ester) is a calcium chelator, a metabolic biomarker of early-onset preeclampsia and late-onset preeclampsia.
Targets(IC50)	Others
In vitro	Many spontaneous but stimulus-dependent EPSCs are observed after the stimulus and are blocked by DNQX and reduced by EGTA-AM (50 μM)[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (119.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4957 mL	7.4783 mL	14.9566 mL
5 mM	0.2991 mL	1.4957 mL	2.9913 mL
10 mM	0.1496 mL	0.7478 mL	1.4957 mL
50 mM	0.0299 mL	0.1496 mL	0.2991 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

Li MJ, et al. Cholinergic and glutamatergic transmission at synapses between pedunculopontine tegmental nucleus axonal terminals and A7 catecholamine cell group noradrenergic neurons in the rat. *Neuropharmacology*. 2016

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