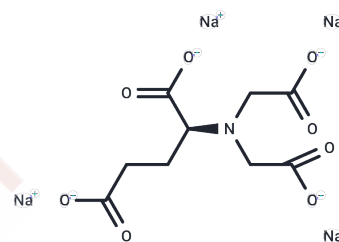


Tetrasodium glutamate diacetate

Chemical Properties

CAS No. :	51981-21-6
Formula:	C ₉ H ₉ NNa ₄ O ₈
Molecular Weight:	351.13
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tetrasodium glutamate diacetate (Glutamate diacetate tetrasodium) is a biodegradable chelating agent that can be used as a dietary ingredient, extracts polyvalent metal ions from waste activated sludge (WAS) flocs, and enhances the production of volatile fatty acids from WAS.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1 mg/mL (2.85 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	2.8479 mL	14.2397 mL	28.4795 mL
5 mM	0.5696 mL	2.8479 mL	5.6959 mL
10 mM	0.2848 mL	1.424 mL	2.8479 mL
50 mM	0.057 mL	0.2848 mL	0.5696 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.

Reference

Li H, et al. Application of chelate GLDA for remediating Cd-contaminated farmlands using Tagetes patula L. Environ Sci Pollut Res Int. 2023 Jan;30(2):3774-3782.

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