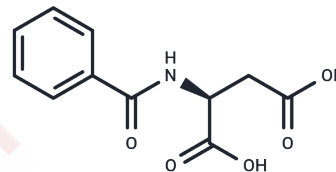


N-benzoyl-L-aspartic acid

Chemical Properties

CAS No. :	4631-12-3
Formula:	C ₁₁ H ₁₁ NO ₅
Molecular Weight:	237.21
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	N-benzoyl-L-aspartic acid (L-N-Benzoylaspartic acid), a benzyl alcohol metabolite of Schizaphis graminum, inhibits rice seed germination and is commonly used in organic synthesis and biochemical experiments.
Targets(IC50)	Others, Drug Metabolite

Solubility Information

Solubility	DMSO: 200 mg/mL (843.13 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	4.2157 mL	21.0784 mL	42.1567 mL
5 mM	0.8431 mL	4.2157 mL	8.4313 mL
10 mM	0.4216 mL	2.1078 mL	4.2157 mL
50 mM	0.0843 mL	0.4216 mL	0.8431 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

Misal Castro LC, Chatani N. Palladium(II)-catalyzed ortho-C-H arylation/alkylation of N-benzoyl α -amino ester derivatives. Chemistry. 2014 Apr 14;20(16):4548-53. doi: 10.1002/chem.201304978. Epub 2014 Mar 13. PubMed PMID: 24623387.

Budeanu CH, Sunel V, Iancu I, Dăneț D, Dăneț R. [Experimental study of the anti-tumoral activity of some azotyperites with N-benzoyl asparagic acid derivative support]. Rev Med Chir Soc Med Nat Iasi. 1973 Oct-Dec;77(4):817-23. Romanian. PubMed PMID: 4781132.

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