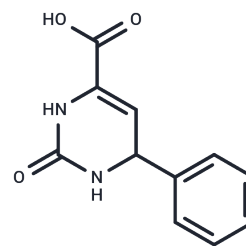


2-Oxo-6-phenyl-1,2,3,6-tetrahydro-pyrimidine-4-carboxylic acid

Chemical Properties

CAS No. :	304443-33-2
Formula:	C ₁₁ H ₁₀ N ₂ O ₃
Molecular Weight:	218.21
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	2-Oxo-6-phenyl-1,2,3,6-tetrahydro-pyrimidine-4-carboxylic acid belonging to the pyrimidine family, which has been shown to have anti-inflammatory, anticonvulsant and antitumor properties.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (45.83 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	4.5827 mL	22.9137 mL	45.8274 mL
5 mM	0.9165 mL	4.5827 mL	9.1655 mL
10 mM	0.4583 mL	2.2914 mL	4.5827 mL
50 mM	0.0917 mL	0.4583 mL	0.9165 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

Kambappa V , Kotturappa C G , Manjunath R S , et al. Biginelli-type reaction: Efficient synthesis of 5-unsubstituted 3,4-dihydropyrimidin-2-ones and thiones from gem-dibromomethylarenes[J]. Journal of Heterocyclic Chemistry: The International Journal of Heterocyclic Chemistry, 2020(9):57.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481