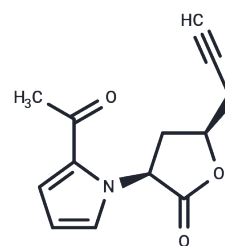


Longanlactone

Chemical Properties

CAS No. :	1438721-51-7
Formula:	C ₁₃ H ₁₃ NO ₃
Molecular Weight:	231.25
Storage:	Powder: -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	Longanlactone is a natural neurotrophic agent.
Targets(IC50)	Others,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3243 mL	21.6216 mL	43.2432 mL
5 mM	0.8649 mL	4.3243 mL	8.6486 mL
10 mM	0.4324 mL	2.1622 mL	4.3243 mL
50 mM	0.0865 mL	0.4324 mL	0.8649 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

- Reddy CR, Tukaram AG, Mohammed SZ, Dilipkumar U, Babu BN, Chakravarty S, Bhattacharya D, Joshi PC, Grée R. Synthesis and biological evaluation of longanlactone analogues as neurotrophic agents. *Bioorg Med Chem Lett*. 2018 Feb 15;28(4):673-676. doi: 10.1016/j.bmcl.2018.01.020. Epub 2018 Jan 12. PubMed PMID: 29402744.
- Zheng G, Wei X, Xu L, Li Z, Liu G, Zhang X. A new natural lactone from *Dimocarpus longan* Lour. seeds. *Molecules*. 2012 Aug 6;17(8):9421-5. doi: 10.3390/molecules17089421. PubMed PMID: 22869162.

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