

NSC-668036

Chemical Properties

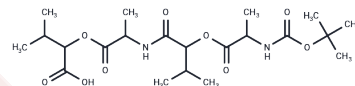
CAS No. : 144678-63-7

Formula: C₂₁H₃₆N₂O₉

Molecular Weight: 460.52

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	NSC-668036 is an inhibitor of Dishevelled (Dvl) protein, a key protein in wnt signaling.
Targets(IC50)	Others,Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1715 mL	10.8573 mL	21.7146 mL
5 mM	0.4343 mL	2.1715 mL	4.3429 mL
10 mM	0.2171 mL	1.0857 mL	2.1715 mL
50 mM	0.0434 mL	0.2171 mL	0.4343 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

- Wang C, Dai J, Sun Z, Shi C, Cao H, Chen X, Gu S, Li Z, Qian W, Han X. Targeted inhibition of disheveled PDZ domain via NSC668036 depresses fibrotic process. *Exp Cell Res*. 2015 Feb 1;331(1):115-22. doi: 10.1016/j.yexcr.2014.10.023. Epub 2014 Nov 5. PubMed PMID: 25445788.
- Chen X, Deng Y. Simulations of a specific inhibitor of the dishevelled PDZ domain. *J Mol Model*. 2009 Jan;15(1):91-6. doi: 10.1007/s00894-008-0377-x. Epub 2008 Oct 25. PubMed PMID: 18953581.
- Shan J, Shi DL, Wang J, Zheng J. Identification of a specific inhibitor of the dishevelled PDZ domain. *Biochemistry*. 2005 Nov 29;44(47):15495-503. PubMed PMID: 16300398.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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