

sPLA2 inhibitor 1

Chemical Properties

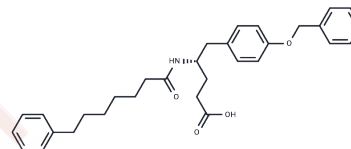
CAS No. : 393569-31-8

Formula: C₃₁H₃₇N₃O₄

Molecular Weight: 487.63

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	KH064 is a sPLA2-IIA inhibitor of oral activity.
Targets(IC50)	Others, Phospholipase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0507 mL	10.2537 mL	20.5074 mL
5 mM	0.4101 mL	2.0507 mL	4.1015 mL
10 mM	0.2051 mL	1.0254 mL	2.0507 mL
50 mM	0.041 mL	0.2051 mL	0.4101 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

Kim RR, Malde AK, Nematollahi A, Scott KF, Church WB. Molecular dynamics simulations reveal structural insights into inhibitor binding modes and functionality in human group IIA phospholipase A(2). *Proteins*. 2017 Jan 5. doi: 10.1002/prot.25235. [Epub ahead of print] PubMed PMID: 28056488.

Yang X, Sheng W, Ridgley DM, Haidekker MA, Sun GY, Lee JC. Astrocytes regulate α -secretase-cleaved soluble amyloid precursor protein secretion in neuronal cells: Involvement of group IIA secretory phospholipase A2. *Neuroscience*. 2015 Aug 6;300:508-17. doi: 10.1016/j.neuroscience.2015.05.052. PubMed PMID: 26037803; PubMed Central PMCID: PMC4485573.

Iyer A, Lim J, Poudyal H, Reid RC, Suen JY, Webster J, Prins JB, Whitehead JP, Fairlie DP, Brown L. An inhibitor of phospholipase A2 group IIA modulates adipocyte signaling and protects against diet-induced metabolic syndrome in rats. *Diabetes*. 2012 Sep;61(9):2320-9. doi: 10.2337/db11-1179. PubMed PMID: 22923652; PubMed Central PMCID: PMC3425408.

Levick S, Loch D, Rolfe B, Reid RC, Fairlie DP, Taylor SM, Brown L. Antifibrotic activity of an inhibitor of group IIA secretory phospholipase A2 in young spontaneously hypertensive rats. *J Immunol*. 2006 Jun 1;176(11):7000-7. PubMed PMID: 16709861.

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