

URB532

Chemical Properties

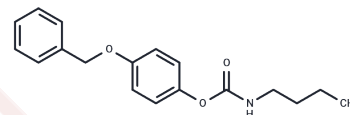
CAS No. : 195140-79-5

Formula: C₁₈H₂₁NO₃

Molecular Weight: 299.36

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	URB532 is an irreversible fatty acid amide hydrolase (FAAH) inhibitor.
Targets(IC50)	Others,FAAH

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3405 mL	16.7023 mL	33.4046 mL
5 mM	0.6681 mL	3.3405 mL	6.6809 mL
10 mM	0.334 mL	1.6702 mL	3.3405 mL
50 mM	0.0668 mL	0.334 mL	0.6681 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

Niforatos W, Zhang XF, Lake MR, Walter KA, Neelands T, Holzman TF, Scott VE, Faltynek CR, Moreland RB, Chen J. Activation of TRPA1 channels by the fatty acid amide hydrolase inhibitor 3'-carbamoylbiphenyl-3-yl cyclohexylcarbamate (URB597). *Mol Pharmacol*. 2007 May;71(5):1209-16. Epub 2007 Feb 21. PubMed PMID: 17314320.

Tang X, Edwards EM, Holmes BB, Falck JR, Campbell WB. Role of phospholipase C and diacylglyceride lipase pathway in arachidonic acid release and acetylcholine-induced vascular relaxation in rabbit aorta. *Am J Physiol Heart Circ Physiol*. 2006 Jan;290(1):H37-45. Epub 2005 Jul 15. PubMed PMID: 16024567.

Patel S, Carrier EJ, Ho WS, Rademacher DJ, Cunningham S, Reddy DS, Falck JR, Cravatt BF, Hillard CJ. The postmortal accumulation of brain N-arachidonylethanolamine (anandamide) is dependent upon fatty acid amide hydrolase activity. *J Lipid Res*. 2005 Feb;46(2):342-9. Epub 2004 Dec 1. PubMed PMID: 15576840.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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