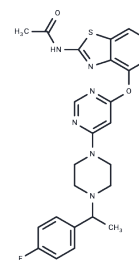


AMG-628

Chemical Properties

CAS No. :	862269-73-6
Formula:	C ₂₅ H ₂₅ FN ₆ O ₂ S
Molecular Weight:	492.57
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	AMG-628 is an effective and ATP-competitive RAF kinase inhibitor. AMG-628 has been shown to inhibit growth and induce cell cycle arrest and apoptosis in colon and melanoma cell lines with B-RAFV600E mutations.
Targets(IC50)	Others,TRP/TRPV Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0302 mL	10.1508 mL	20.3017 mL
5 mM	0.406 mL	2.0302 mL	4.0603 mL
10 mM	0.203 mL	1.0151 mL	2.0302 mL
50 mM	0.0406 mL	0.203 mL	0.406 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

Thiel OR, Bernard C, King T, Dilmeghani-Seran M, Bostick T, Larsen RD, Faul MM. Practical synthesis of a vanilloid receptor-1 antagonist. *J Org Chem.* 2008 May 2;73(9):3508-15. doi: 10.1021/jo8002216. Epub 2008 Mar 20.

PubMed PMID: 18351744.

Wang HL, Katon J, Balan C, Bannon AW, Bernard C, Doherty EM, Dominguez C, Gavva NR, Gore V, Ma V, Nishimura N, Surapaneni S, Tang P, Tamir R, Thiel O, Treanor JJ, Norman MH. Novel vanilloid receptor-1 antagonists: 3. The identification of a second-generation clinical candidate with improved physicochemical and pharmacokinetic properties. *J Med Chem.* 2007 Jul 26;50(15):3528-39. Epub 2007 Jun 22. PubMed PMID: 17585751.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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