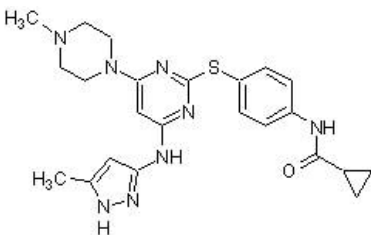


Product datasheet

VX-680 (MK-0457), Aurora kinase inhibitor ab120799

1 Image

Overview

Product name	VX-680 (MK-0457), Aurora kinase inhibitor
Description	Aurora kinase inhibitor
Biological description	Aurora kinase inhibitor (K_i values are 0.6, 18 and 4.6 nM for Aurora kinase A, B and C, respectively). Exhibits selectivity for Aurora kinase over 190 other protein kinases. Blocks cell-cycle progression and induces apoptosis in a diverse range of human tumor cell lines <i>in vitro</i> . Inhibits tumor growth in a variety of <i>in vivo</i> xenograft models.
Purity	> 98%
CAS Number	639089-54-6
Chemical structure	

Properties

Chemical name	N-[4-[[4-(4-Methyl-1-piperazinyl)-6-[(5-methyl-1H-pyrazol-3-yl)amino]-2-pyrimidinyl]thio]phenyl]cyclopropanecarboxamide
Molecular weight	464.59
Molecular formula	C ₂₃ H ₂₈ N ₈ OS
Storage instructions	Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p>

questions (FAQ) page for more details.

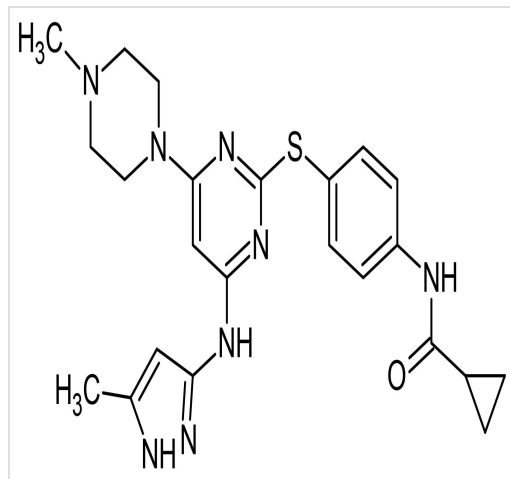
SMILES

CN1CCN(CC1)c4cc(nc(Sc3ccc(NC(=O)C2CC2)cc3)n4)Nc5cc(C)nn5

Source

Synthetic

Images



Chemical Structure - VX-680 (MK-0457), Aurora kinase inhibitor (ab120799)

2D chemical structure image of ab120799, VX-680 (MK-0457), Aurora kinase inhibitor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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