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DATASHEET

PF 03814735

Product overview

Name	PF 03814735
Cat No	HB1441
Description	Potent Aurora kinase inhibitor
Biological action	Inhibitor
Purity	>98%

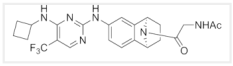
Biological Data

Biological description	Potent Aurora kinase inhibitor. Reversibly inhibits Aurora B and -A (IC_{50} values are 0.8 and 5 nM respectively). Shows antiproliferative and anti-cancer actions.

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in DMSO (100mM) or ethanol (20mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	*N*-[2-[(1*S*,4*R*)-6-[[4-(Cyclobutylamin o)-5-(trifluoromethyl)-2-pyrimidinyl]amino]-1,2,3, 4-tetrahydronaphthalen-1,4-imin-9-yl]-2-oxoethyl]- acetamide
Molecular Weight	474.48
Chemical structure	
Molecular Formula	$C_{23}H_{25}F_3N_6O_2$
CAS Number	942487-16-3
PubChem identifier	51346455
SMILES	[H][C@@]3(N5C(CNC(C)=O)=O)CC[C@@]5([H])C(C3=C4)=CC=C4NC1=NC(NC2CCC2)=C(C(F)(F)F)C=N1
InChiKey	RYYNGWLOYLRZLK-RBUKOAKNSA-N

References

PF-03814735, an orally bioavailable small molecule aurora kinase inhibitor for cancer therapy.

Jani JP *et al* (2010) Mol Cancer Ther 9(4)
PubMedID 20354118

An integrated genomic approach to identify predictive biomarkers of response to the aurora kinase inhibitor PF-03814735.

Hook KE *et al* (2012) Mol Cancer Ther 11(3)
PubMedID 22222631