Datasheet for ABIN7233255

GSK-126

1 Image

Go to Product page

Overview

Quantity:	5 mg
Application:	Inhibition (Inh)

Product Details

Purpose:	EZH2 Histone methyltransferase inhibitor
Characteristics:	Competitive, selective inhibitor of H3K27 methyltransferase EZH2 (Ki = 0.57 nM), over EZH1 (Ki = 89 nM) and other histone methyltransferases (Ki > 1 μM). GSK-126 caused a dose-dependent decrease in H3K27me3, and blocked invasion of triple-negative breast cancer cells. Conversely, it induced myeloid-derived suppressor cells, blocking antitumor immunity in mice. Decreases myeloma CSCs4, while also inducing differentiation of HepaRG hepatic progenitor cells5. Used to explore the role of epigenetic modification in a mouse model of Parkinson's disease.
Purity:	>98 %
Chemical Name:	N-[(1,2-Dihydro-4,6-dimethyl-2-oxo-3-pyridinyl)methyl]-3-methyl-1-[(1S)-1-methylpropyl]-6-[6-(1-piperazinyl)-3-pyridinyl]-1H-indole-4-carboxamide
Formula:	C31H38N6O2
Solubility:	Soluble in DMSO (up to 15 mg/ml) or in Ethanol (up to 2 mg/ml).

Target Details

Background:	GSK-2816126,Cell migration,Epigenetics,Transcription,Protein methyltransferase,Stem cells,Cancer stem cells,Ubiquitin/Proteasome,Inflammation,Cancer,Neurodegeneration,Posttranslational modification,Pain,Chromatin

Target Details

Molecular Weight:	526.7
CAS-No:	1346574-57-9

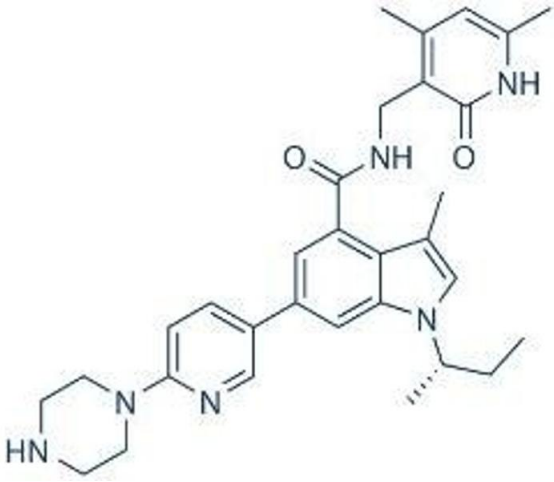
Application Details

Restrictions:	For Research Use only

Handling

Format:	Powder
Storage:	-20 °C

Images



Molecule

Image 1. /

