

### GSK503, EZH2 methyltransferase inhibitor ab269819

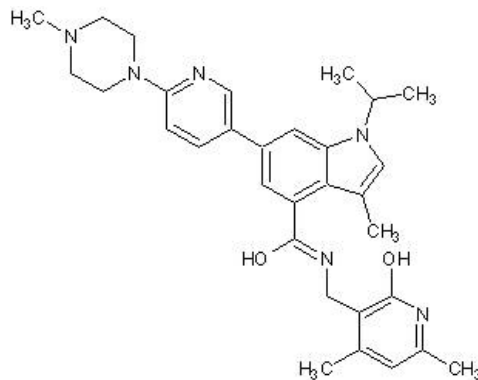
1 Image

#### Overview

<b>Product name</b>	GSK503, EZH2 methyltransferase inhibitor
<b>Description</b>	Potent and specific EZH2 methyltransferase inhibitor
<b>Biological description</b>	Potent ( $IC_{50} = nM$ ; $K_i = 3 nM$ ) and specific EZH2 methyltransferase inhibitor. Selective against EZH1 ( $IC_{50} = 633 nM$ ). At least 4000-fold selective over a panel of 20 other human methyltransferases. Highly selective against a range of human histone deacetylases, GPCRs, kinases and ion channels. Reduces cellular H3K27me3 levels. Inhibits growth of diffuse large B-cell lymphoma cells. Inhibits melanoma growth and metastasis in mouse models.

**CAS Number** 1346572-63-1

#### Chemical structure



#### Properties

<b>Selectivity</b>	Highly selective against a range of human methyltransferases, histone deacetylases, GPCRs, kinases and ion channels.
<b>Chemical name</b>	N-[(1,2-Dihydro-4,6-dimethyl-2-oxo-3-pyridinyl)methyl]-3-methyl-1-(1-methylethyl)-6-[6-(4-methyl-1-piperazinyl)-3-pyridinyl]-1H-indole-4-carboxamide
<b>Molecular weight</b>	526.67
<b>Molecular formula</b>	$C_{31}H_{38}N_6O_2$
<b>PubChem identifier</b>	67469117
<b>Storage instructions</b>	Shipped at room temperature. Store at $-20^{\circ}C$ .
<b>Solubility overview</b>	Soluble in water to 5 mM, in DMSO to 25 mM and in ethanol to 50 mM

## Handling

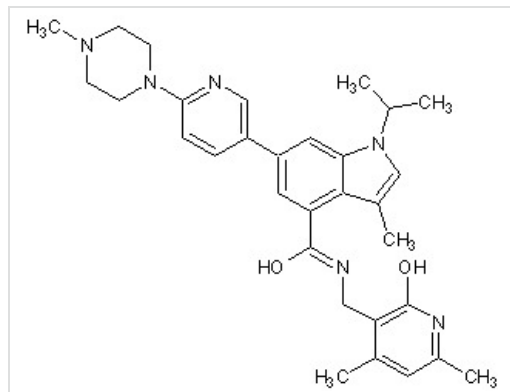
Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

## SMILES

CC1=CC(=C(C(=O)N1)CNC(=O)C2=C3C(=CN(C3=CC(=C2)C4=CN=C(C=C4)N5CCN(CC5)C)C(C)C)C)C

## Images



Chemical Structure - GSK503, EZH2  
methyltransferase inhibitor (ab269819)

Chemical structure of GSK503, EZH2 methyltransferase inhibitor,  
1346572-63-1

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

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