



LKT Laboratories, Inc.

GSK-126

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Product Information

Product ID G7340

CAS No. 1346574-57-9

Chemical Name 1-[(2S)-butan-2-yl]-N-[(4,6-dimethyl-2-oxo-1H-pyridin-3-yl)methyl]-3-methyl-6-(6-piperazin-1-ylpyridin-3-yl)indole-4-carboxamide

Synonym GSK126

Formula C₃₁H₃₈N₆O₂

Formula Wt. 526.67

Melting Point

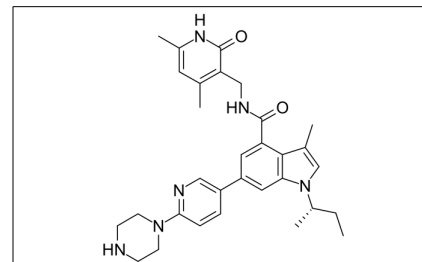
Purity ≥98%, ≥99%ee

Solubility DMSO 3 mg/mL warmed (5.69 mM)
Water Insoluble
Ethanol Insoluble warmed

Store Temp -20°C

Ship Temp Ambient

Description GSK-126 is an inhibitor of mutant EZH2, a histone methyltransferase (HMT) that exhibits point mutations at key residues Tyr641 and Ala677; this compound does not appreciably affect WT EZH2. EZH2 is responsible for modulating expression of a variety of genes. GSK-126 competes with cofactor S-adenylmethionine (SAM) for binding to EZH2. GSK-126 displays anticancer chemotherapeutic activity by inhibiting proliferation in in vitro and in vivo models of diffuse large B-cell lymphoma.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G7340	1 mg	\$60.00
G7340	5 mg	\$85.00
G7340	25 mg	\$175.00

References Tian X, Zhang S, Liu HM, et al. Histone lysine-specific methyltransferases and demethylases in carcinogenesis: new targets for cancer therapy and prevention. *Curr Cancer Drug Targets*. 2013 Jun 10;13(5):558-79. PMID: 23713993.

McCabe MT, Ott HM, Ganji G, et al. EZH2 inhibition as a therapeutic strategy for lymphoma with EZH2-activating mutations. *Nature*. 2012 Dec 6;492(7427):108-12. PMID: 23051747.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.