



LKT Laboratories, Inc.

EPZ005687

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Product Information

Product ID E6396

CAS No. 1396772-26-1

Chemical Name

Synonym

Formula $C_{32}H_{37}N_5O_3$

Formula Wt. 539.67

Melting Point

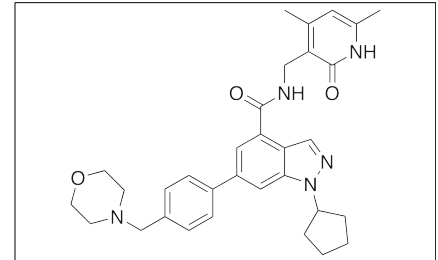
Purity $\geq 99\%$

Solubility DMSO 2 mg/mL (3.7 mM)
Water Insoluble
Ethanol Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description EPZ-005687 is a highly selective inhibitor of mutant EZH2, a histone methyltransferase (HMT) that exhibits point mutations at key residues Tyr641 and Ala677 in non-Hodgkin's lymphoma and other cancers. EPZ-005687 displays anticancer chemotherapeutic activity through its inhibition of EZH2; this enzyme is responsible for methylation of lysine and arginine residues and controls gene transcription fidelity in cells. Inhibition of mutant EZH2 induces apoptosis.



Bulk quantities available upon request

Product ID	Size
E6396	1 mg
E6396	5 mg
E6396	25 mg
E6396	100 mg

References Knutson SK, Wigle TJ, Warholc NM, et al. A selective inhibitor of EZH2 blocks H3K27 methylation and kills mutant lymphoma cells. *Nat Chem Biol.* 2012 Nov;8(11):890-6. PMID: 23023262.

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