

EBI-2511

## Chemical Properties

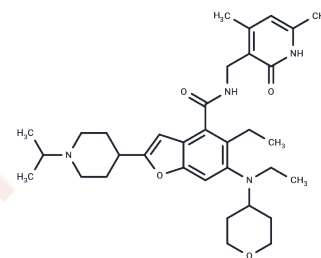
CAS No. : 2098546-05-3

Formula: C34H48N4O4

Molecular Weight: 576.77

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	EBI-2511 is a highly potent, orally active inhibitor of EZH2, with an IC50 of 6 nM in Pfeffiera cell lines.
Targets(IC50)	Histone Methyltransferase
In vitro	EBI-2511 obviously decreases cellular H3K27me3 levels in a dose-dependent manner (an approximate IC50: 8 nM) and it is 3-fold more potent than EPZ-6438. In addition to Pfeffier cell line, EBI-2511 was shown active against WSU-DLCL2 ( IC50: 55 nM) [1].
In vivo	EBI-2511 demonstrates dose-dependent tumor growth inhibition, with tumor size reductions of 28% (10mg/kg), 83% (30mg/kg), and 97% (100mg/kg). No significant changes in body weights are observed across all treatment groups. At the same dosage, EBI-2511 shows superior anti-tumor efficacy compared to EPZ-6438 (P<0.01) [1].

## Solubility Information

Solubility	DMSO: 5 mg/mL (8.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7338 mL	8.669 mL	17.3379 mL
5 mM	0.3468 mL	1.7338 mL	3.4676 mL
10 mM	0.1734 mL	0.8669 mL	1.7338 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lu B, et al. Discovery of EBI-2511: A Highly Potent and Orally Active EZH2 Inhibitor for the Treatment of Non-Hodgkin's Lymphoma. ACS Med Chem Lett. 2018 Jan 29;9(2):98-102.

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