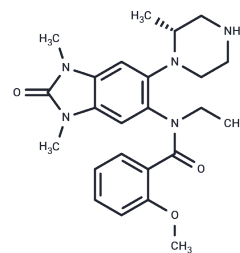


GSK9311

Chemical Properties

CAS No. : 1923851-49-3
 Formula: C₂₄H₃₁N₅O₃
 Molecular Weight: 437.53
 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	GSK9311 inhibits BRPF bromodomain (pIC ₅₀ : 6.0 and 4.3 for BRPF1 and BRPF2, respectively). GSK9311 is a less active analog of GSK6853. It can be used as a negative control.
Targets(IC ₅₀)	Epigenetic Reader Domain
In vitro	GSK6853 is a less active analogue of GSK6853 in which the 5-amide is alkylated. GSK6853 is a potent (300 pM), soluble, cell active (20 nM), and highly selective inhibitor of the BRPF1 bromodomain. GSK6853 shows properties suitable for cellular and in vivo studies[1].

Solubility Information

Solubility	DMSO: 30 mg/mL (68.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (4.57 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2856 mL	11.4278 mL	22.8556 mL
5 mM	0.4571 mL	2.2856 mL	4.5711 mL
10 mM	0.2286 mL	1.1428 mL	2.2856 mL
50 mM	0.0457 mL	0.2286 mL	0.4571 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

Bamborough P, et al. GSK6853, a Chemical Probe for Inhibition of the BRPF1 Bromodomain. ACS Med Chem Lett. 2016 May 9;7(6):552-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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