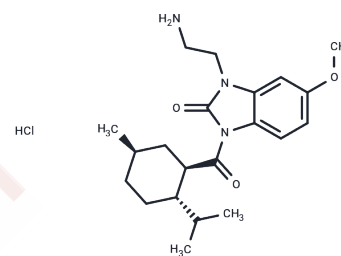


D-3263 hydrochloride

Chemical Properties

CAS No. :	1008763-54-9
Formula:	C ₂₁ H ₃₂ ClN ₃ O ₃
Molecular Weight:	409.95
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	D-3263 hydrochloride (D3263 HCl salt) is enteric-coated, orally bioavailable transient receptor potential melatonin member 8 (TRPM8) agonist.
Targets(IC50)	TRP/TRPV Channel
In vitro	D-3263 hydrochloride binds and activates TRPM8, which may lead to increased entry of calcium and sodium; destruction of calcium and sodium homeostasis; induction of cell death in tumor cells expressing TRPM8. D-3263 hydrochloride may reduce the level of dihydrotestosterone (DHT), which may contribute to its inhibitory effect on prostate cancer and BPH[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (146.36 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: 3.3 mg/mL (8.05 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	2.4393 mL	12.1966 mL	24.3932 mL
5 mM	0.4879 mL	2.4393 mL	4.8786 mL
10 mM	0.2439 mL	1.2197 mL	2.4393 mL
50 mM	0.0488 mL	0.2439 mL	0.4879 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

enteric-coated TRPM8 agonist D-3263 hydrochloride

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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