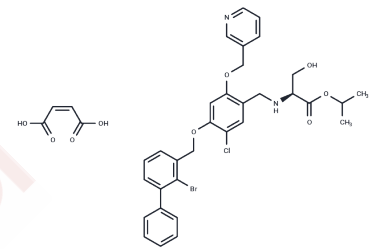


IMMH 010 maleate

Chemical Properties

CAS No. :	2541982-47-0
Formula:	C ₃₆ H ₃₆ BrClN ₂ O ₉
Molecular Weight:	756.04
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	IMMH 010 maleate (YPD-30 maleate) is an orally available programmed cell death ligand 1 inhibitor with potential antitumor activity for the study of neurological disorders and advanced malignant solid tumors.
Targets(IC50)	PD-1/PD-L1
In vitro	IMMH-010 maleate (YPD-30) is an ester prodrug of YPD-29B, which is an effective small-molecule inhibitor targeting hPD-L1 in vitro[1].
In vivo	IMMH-010 maleate (YPD-30; 2.5, 5, and 10 mg/kg; oral administration, twice weekly) significantly delayed tumor progression in mice compared to the vehicle group in a dose-dependent manner. The tumor growth inhibition rates (TGI) were 40.5% (2.5 mg/kg), 60.9% (5 mg/kg), and 67.9% (10 mg/kg), respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3227 mL	6.6134 mL	13.2268 mL
5 mM	0.2645 mL	1.3227 mL	2.6454 mL
10 mM	0.1323 mL	0.6613 mL	1.3227 mL
50 mM	0.0265 mL	0.1323 mL	0.2645 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

Jiang J, et al. Simultaneous Determination of a Novel PD-L1 Inhibitor, IMM-010, and Its Active Metabolite, YPD-29B, in Rat Biological Matrices by Polarity-Switching Liquid Chromatography-Tandem Mass Spectrometry: Application to ADME Studies. *Front Pharmacol.* 2021 Jun 21;12:677120.

Lai F, et al. Erratum: Author correction to "YPD-30, a prodrug of YPD-29B, is an oral small-molecule inhibitor targeting PD-L1 for the treatment of human cancer" [*Acta Pharmaceutica Sinica B* 12 (2022) 2845-2858]. *Acta Pharm Sin B.* 2023 Jul;13(7):3178-3179.

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