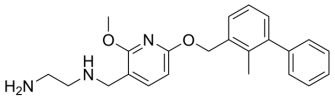
N-deacetylated BMS-202

Cat. No.:	HY-19745A
CAS No.:	2310135-18-1
Molecular Formula:	$C_{23}H_{27}N_3O_2$
Molecular Weight:	377.48
Target:	PD-1/PD-L1
Pathway:	Immunology/Inflammation
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 36 mg/mL (95.37 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	2.6491 mL	13.2457 mL	26.4915 mL
	5 mM	0.5298 mL	2.6491 mL	5.2983 mL
	10 mM	0.2649 mL	1.3246 mL	2.6491 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.62 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.62 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.62 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-deacetylated BMS-202 is the deacetylated of BMS-202. BMS-202 is an inhibitor of the PD-1/PD-L1 interaction, mainly used for cancer treatment.

In Vitro

BMS-202 inhibits PD-1/PD-Ll interaction, and may augment therapeutic immune response to a number of histologically distinct tumors. Blockade of the PD-1/PD-Ll ligation using antibodies to PD-Ll has been shown to restore and augment T cell activation in many systems[1].

	MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. WO2015034820 A1

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