

Product Data Sheet

Product Name: BMS-1166 hydrochloride

Cat. No.: GC38131

Chemical Properties

Cas. No. 2113650-05-6

SMILES O=C(O)[C@@H]1N(CC2=CC(Cl)=C(OCC3=CC=CC(C4=CC=C(OCCO5)C5=C4)=C3C)C=C2OCC6=CC=CC(C#N)=C6)C[C@H](O)C1.Cl

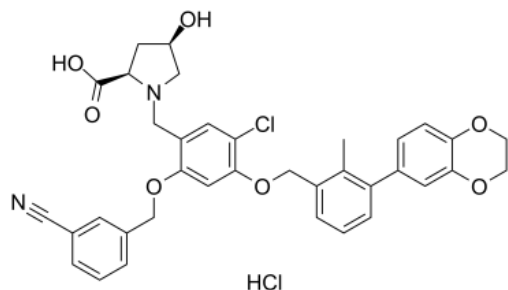
Formula $C_{36}H_{34}Cl_2N_2O_7$ M.Wt 677.57

Solubility DMSO : ≥ 100 mg/mL (147.59 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

BMS-1166 hydrochloride is a potent PD-1/PD-L1 interaction inhibitor with an IC_{50} of 1.4 nM. BMS-1166 antagonizes the inhibitory effect of PD-1/PD-L1 immune checkpoint on T cell activation.

BMS-1166 is a potent PD-1/PD-L1 interaction inhibitor with an IC_{50} of 1.4 nM in a homogenous time-resolved fluorescence binding assay[1]. BMS-1166 antagonizes the inhibitory effect of PD-1/PD-L1 immune checkpoint on T cell activation. BMS-1166 dose dependently abolishes the inhibition of ECs

Caution: Product has not been fully validated for medical applications. For research use only.

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stimulation by sPD-L1[2].

[1]. Guzik K, et al. Small-Molecule Inhibitors of the Programmed Cell Death-1/Programmed Death-Ligand 1 (PD-1/PD-L1) Interaction via Transiently Induced Protein States and Dimerization of PD-L1. J Med Chem. 2017 Jul 13;60(13):5857-5867. [2]. Skalniak L, et al. Small-molecule inhibitors of PD-1/PD-L1 immune checkpoint alleviate the PD-L1-induced exhaustion of T-cells. Oncotarget. 2017 Aug 7;8(42):72167-72181.

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