

CAY10774

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	CAY10774 is an inhibitor of the protein-protein interaction between programmed cell death 1 (PD-1) and its ligand PD-L1 (IC50= 15 nM in a homologous time-resolved fret (HTRF) assay). It increases the activation of Jurkat cells expressing PD-1 in co-culture with artificial antigen-presenting cells (aAPCs) expressing PD-L1 (EC50= 6.6 μM in a reporter assay). CAY10774 increases surface expression of PD-1 on primary human CD4+ and CD8+ T cells co-cultured with aAPCs.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL, Sonication is recommended. DMF: 1 mg/mL, Sonication is recommended. DMSO:PBS (pH 7.2) (1:2): 0.33 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Konieczny, M., Musielak, B., Kocik, J., et al. Di-bromo-based small-molecule inhibitors of the PD-1/PD-L1 immune checkpoint. *J. Med. Chem.* 63(19)11271-11285(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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