

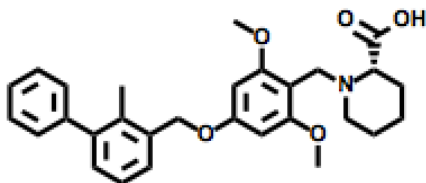


Xcess Biosciences Inc.
3525 Del Mar Heights Rd, Suite #216
San Diego, CA 92130-2122

http://www.xcessbio.com
Phone: 1-858-866-8887
Toll free: 1-866-706-2330
Fax: 1-619-810-0718
Email: info@xcessbio.com

PD-1/PD-L1 Inhibitor C1

Chemical Name: (S)-1-(2,6-dimethoxy-4-((2-methyl-[1,1'-biphenyl]-3-yl)methoxy)benzyl)piperidine-2-carboxylic acid



Molecular Weight:	475.58
Formula:	C ₂₉ H ₃₃ NO ₅
Purity:	≥98%
CAS#:	1675201-83-8
Solubility:	DMSO up to 100 mM Water up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

PD-1/PD-L1 inhibitor C1 is a potent and selective small molecule inhibitor of the PD-1/PD-L1 protein/protein interactions with IC₅₀ < 100 nM (PD-1/PD-L1 Homogenous Time-Resolved Fluorescence (HTRF) binding assay). It may potentially be useful in the treatment of cancer as well as infectious diseases such as hepatitis C. The programmed death-1/programmed death-ligand 1 (PD-1/PD-L1) interaction plays a dominant role in the suppression of T cell responses, especially in a tumor microenvironment, protecting tumor cells from lysis.

How to Use:

In vitro: PD-1/PD-L1 Inhibitor C1 was used at 10 μM final concentration in various assays.

In vivo: n/a

Reference:

1. Chupak, L.S. and Zheng, X. Compounds useful as immunomodulators. WO 2015/034820 (2015).

Products are for research use only. Not for human use.