

BMSpеп-57 biochemical

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CATALOG #
AAA227834

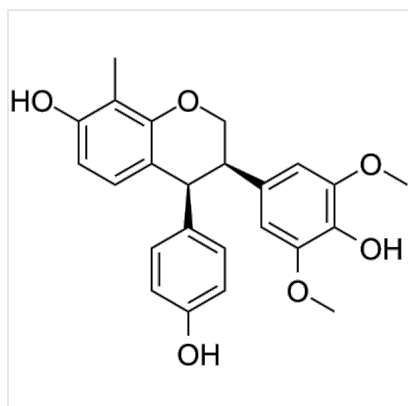
PRODUCT SYNONYMS

BMSpеп-57; TRX-E-002-1; BMSpеп-57 biochemical

PRODUCT SPECIFICATIONS

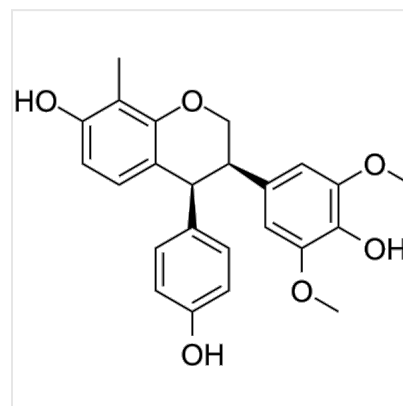
Purity/Purification	98%
CAS	1629655-80-6
Targets&IC50	PD-1/PD-L1 interaction:7.68?nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	In a ELISA competition assay, BMSpеп-57 inhibits PD-1/PD-L1 binding up to 98.1% 300nM. And it shows a concentration dependent inhibition of PD-1/PD-L1 binding with an IC 50 of 7.68nM[1]. BMSpеп-57 induced high levels of IL-2 at 1uM and 500nM concentrations in SEB-stimulated peripheral blood mononuclear cells[1]. BMSpеп-57 (0.2-10 uM; 24 hours) does not show any effect on the Jurkat, CHO and HepG2 cells' viability at the various concentrations tested[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Cantrixil, CAS 2135511-22-5



Structure

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ADDITIONAL INFORMATION

Related Product Information for BMSpеп-57 biochemical	BMSpеп-57 is a potent and competitive macrocyclic peptide inhibitor of PD-1/PD-L1 interaction with an IC 50 of 7.68 nM. BMSpеп-57 binds to PD-L1 with K d s of 19 nM and 19.88 nM in MST and SPR assays, respectively. BMSpеп-57 facilitates T cell function by in creasing IL-2 production in PBMCS.
References	1. Muhammad Wasif Saif, et al. Pharmacology and toxicology of the novel investigational agent Cantrixil (TRX-E-002-1). Cancer Chemother Pharmacol. 2017 Feb;79(2):303-314. 2. Ayesha B Alvero, et al. TRX-E-002-1 Induces c-Jun-Dependent Apoptosis in Ovarian Cancer Stem Cells and Prevents Recurrence In Vivo. Mol Cancer Ther. 2016 Jun;15(6):1279-90.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/bmssep-57/227834>