Data Sheet (Cat.No.TP3070)

TargetMol

MAIT-203 acetate

Chemical Properties

CAS No. :

Formula: C108H121N43O31

Molecular Weight:

Storage: Keep away from moisture
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	MAIT-203 acetate is a cyclopentylglycine-derived peptidomimetic that effectively inhibits the interaction between adenomatous polyposis coli (APC) and Asef (RhoGEF4), while not affecting the APC-Sam68 or APC-striatin interactions. It binds to APC-ARM with a Ki of 0.015 μM and a Kd of 0.036 μM, significantly impeding the migration and invasion of colorectal cancer cells.
In vitro	MAIT-203 (10 μM and 25 μM; for 24 h) acetate reduces the interaction between Asef and APC in a dose-dependent manner in HEK293T cells [1]. Additionally, MAIT-203 (10 μM) acetate significantly reduces the migration of SW480 and HCT116 cells [1]. Incubating SW480 cells with MAIT-203 (25, 50 μM; 24 hours) acetate leads to a dose-dependent decrease in the active form of CDC42, while Rac1 remains unaffected [1].

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481