

MAIT-203

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

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	MAIT-203, a cyclopentylalanin-derived peptidomimetic, effectively disrupts the interaction between adenomatous polyposis coli (APC) and Asef (RhoGEF4), without affecting APC-Sam68 or APC-striatin interactions. It binds to APC-ARM domains with a $K_i$ of 0.015 $\mu\text{M}$ and a $K_d$ of 0.036 $\mu\text{M}$ , notably inhibiting the migration and invasion of colorectal cancer cells.
In vitro	MAIT-203 at concentrations of 10 $\mu\text{M}$ and 25 $\mu\text{M}$ significantly attenuates the interaction between Asef and APC in HEK293T cells, demonstrating a dose-dependent effect over a 24-hour period [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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