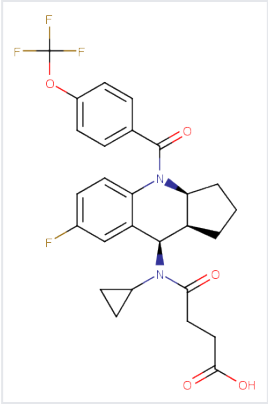
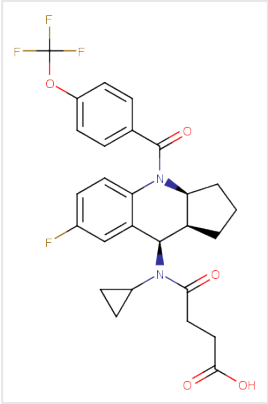
MK-8318 Inhibitor

PRODUCT OVERVIEW

Product Name	MK-8318, Inhibitor
Full Product Name	MK-8318
Product Gene Name	MK-8318, inhibitor
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	534.508
SMILES	OC(=O)CCC(=O)N(C1CC1)[C@@H]1[C@@H]2CCC[C@@H]2N(C(=O)c2ccc(OC(F)(F)F)cc2)c2ccc(F)cc12
Formula	C27H26F4N2O5
CAS Number	1416581-40-2
Target	Others CYP2C9: 50uM, beta-arrestin: 3.5nM, CYP2D6: 50uM, CYP3A4: 50uM, cAMP: 8.0nM, CRTH2/DP2 Receptor: 5.0nM (ki)
Solubility	(<1mg/mL refers to the product slightly soluble or insoluble)
In_vitro	MK-8318 displays 76% LAR efficacy and 114% AHR efficacy. MK-8318 blocks late airway response (LAR) and airway hyperresponsiveness (AHR) after i.v. infusion at 1mg/kg, in a sheep model. MK-8318 also shows good efficacy on BAL cells/pulmonary function from ovAlbumin sensitized and challenged Brown Norway rats at 3, 10, and 30mg/kg oral dosing.
Product Categories/Family for MK-8318, inhibitor	Others
Related Product Information for MK-8318, inhibitor	MK-8318 is an effective and selective antagonist of the CRTh2 receptor (Ki: 5.0nM).
Product References and Citations for MK-8318, inhibitor	1 Huan X e al Discover o MK-8318 Poten an Selectiv CRTh Recepto Antagonis fo th Treatmen o Asthma AC Me Che Lett 201 Ju 23 (7):679-684.
Other Notes	Small volumes of MK-8318, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MK-8318 purchase	MBS5769531 is an inhibitor targeting MK-8318.



Structure of MK-8318, inhibitor
MK-8318, CAS 1416581-40-2



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MK-8318, CAS 1416581-40-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/mk-8318/5769531