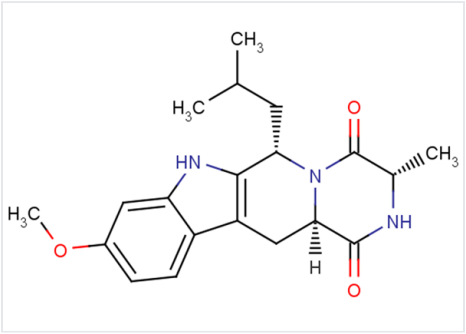
ML753286 Inhibitor

PRODUCT OVERVIEW

Product Name	ML753286, Inhibitor
Full Product Name	ML753286
Product Gene Name	ML753286, inhibitor
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	355.43
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Formula	C20H25N3O3
SMILES	COC1=CC=C2C(NC3=C2C[C@]4(N([C@H]3CC(C)C)C([C@@H](NC4=O)C)=O)[H])=C1
CAS Number	1699720-89-2
Target & IC50	BCRP: ic50 0.6uM
In Vitro	ML753286 (25- or 50-mg/kg (PO); 10 or 20mg/kg (IV); 0.083-24 hours) appears to fully suppress Bcrp functions in rats at 25mg/kg p.o. or at 20mg/kg i.v. In Bcrp KO rats, pre-administered ML753286(25-mg/kg ; WT rats) and pre-administered ML753286 (50-mg/kg; WT rats), the tmax values in plasma were 1.4, 4.0, and 4.1 hours, respectively.
Product Categories/Family for ML753286, inhibitor	PI3K/Akt/mTOR signaling; AMPK; Membrane transporter/Ion channel
Related Product Information for ML753286, inhibitor	ML753286 has high permeability and low to medium clearance in rodent and human liver S9 fractions. ML753286 is an orally active and selective inhibitor of BCRP (IC50: 0.6uM). It is also stable in plasma across species.
Product References and Citations for ML753286, inhibitor	Liao M, et al. Preclinical absorption, distribution, metabolism, excretion and pharmacokinetics of a novelselective inhibitor of breast cancer resistance protein (BCRP). Xenobiotica. 2018 May;48(5):467-477.
Other Notes	Small volumes of ML753286, 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 ML753286 purchase	MBS5755212 is an inhibitor targeting ML753286.



Structure of ML753286, inhibitor

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/ml753286/5755212