

Catalog	Unit
TBI5630 - 10MG	10 mg
TBI5630 - 50MG	50 mg

Product Details

Formal Name: Methyl N-[(2S)-1-[2-[(2S,3S)-2-hydroxy-3-[[2-(2S)-2-(methoxycarbonylamino)-3,3-dimethylbutanoyl]amino]-4-phenylbutyl]-2-[(4-pyridin-2-ylphenyl)methyl]hydrazinyl]-3,3-dimethyl-1-oxobutan-2-yl]carbamate

Alternate Names: BMS 232632; CGP 73547; Latazanavir

Molecular Formula: C₃₈H₅₂N₆O₇

Formula Weight: 704.9

CAS Number: 198904-31-3

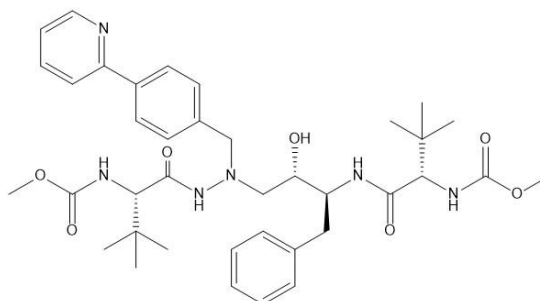
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (45 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Antiviral

Functions

Atazanavir (198904-31-3) is an azapeptide-based inhibitor of HIV protease ($K_i = 2.66$ nM). Inhibits SARS-CoV-2 main protease ($K_i = 703$ nM), but not papain-like protease ($K_i = 9.87$ μM). Blocks SARS-CoV-2 replication and IL-6 / TNFα production in vitro. Also inhibits the liver enzyme UDP-glucuronyltransferase 1A1 (UGT1A1), $IC_{50} = 160$ nM for recombinant UGT1A1.

Application Procedures

First dissolved in DMSO (45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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