

Catalog	Unit
TBI3050-10MG	10 mg
TBI3050-50MG	50 mg

Product Details

Formal Name: (3S,4aS,8aS)-N-(1,1-Dimethylethyl)decahydro-2-[(2R,3R)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-(phenylthio)butyl]-3-isoquinolinecarboxamide methanesulfonate

Alternate Names: AG-1343

Molecular Formula: C₃₂H₄₅N₃O₄S • CH₃SO₃H

Formula Weight: 663.9

CAS Number: 159989-65-8

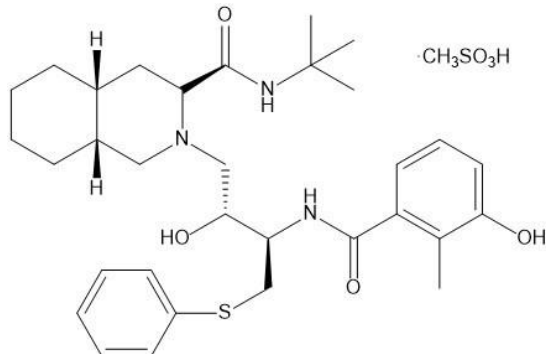
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 70 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

HIV protease inhibitor

Functions

Nelfinavir is a clinically useful anti-HIV agent acting via inhibition of HIV-1 protease (K_i=2 nM). It also displays efficacy in cancer, malaria, tuberculosis and SARS. Displays broad spectrum anticancer activity and induces endoplasmic reticulum stress, autophagy and apoptosis in vitro and in vivo. Inhibits the growth of HER2-positive breast cancer cells via inhibition of HSP90 through a novel mechanism. Weak inhibition of receptor tyrosine protein kinases may also contribute to its anti-cancer effect.

Application Procedures

First dissolved in DMSO (up to 70 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.