

## Darunavir, HIV-1 protease inhibitor

Catalog	Unit
TBI4930-10MG	10 mg
TBI4930-50MG	50 mg

### Product Details

**Formal Name:** [(3aS,4R,6aR)-2,3,3a,5,6a-Hexahydrofuro[2,3-b]furan-4-yl] N-[(4-aminophenyl)sulfonyl-(2-methylpropyl)amino]-3-hydroxy-1-phenylbutan-2-yl]carbamate

**Alternate Names:** UIC-94017; TMC114

**Molecular Formula:** C<sub>27</sub>H<sub>37</sub>N<sub>3</sub>O<sub>7</sub>S

**Formula Weight:** 657.70

**CAS Number:** 206361-99-1

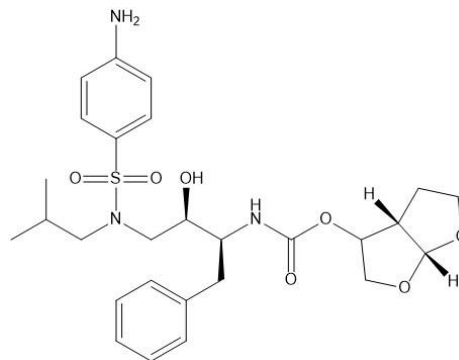
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

HIV-1 protease inhibitor

### Functions

Darunavir is a very potent (IC<sub>50</sub> = 3 nM against lab HIV-1 strains and clinical isolates) HIV-1 protease inhibitor that is in clinical use. Also potent against multi-PI-resistant HIV-1 strains from patient samples. Darunavir has been investigated as a potential anti-SARS-CoV2 therapeutic with mixed results.

### Application Procedures

First dissolved in DMSO (up to 25 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.**