

Catalog	Unit
TBI4929-5MG	5 mg
TBI4929-25MG	25 mg

### Product Details

**Formal Name:** (3S,3aS,6aR)-2-[(2S)-2-[[[(2S)-2-cyclohexyl-2-(pyrazine-2-carbonylamino)acetyl]amino]-3,3-dimethylbutanoyl]-N-[(3S)-1-(cyclopropylamino)-1,2-dioxohexan-3-yl]-3,3a,4,5,6,6a-hexahydro-1H-cyclopenta[c]pyrrole-3-carboxamide

**Alternate Names:** VX-950

**Molecular Formula:** C<sub>36</sub>H<sub>53</sub>N<sub>7</sub>O<sub>6</sub>

**Formula Weight:** 679.86

**CAS Number:** 402957-28-2

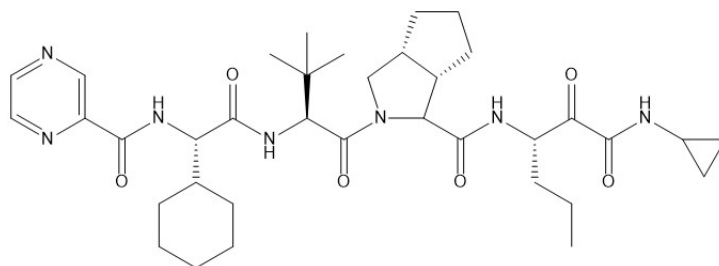
**Purity:** >98%

**Formulation:** powder

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

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Hepatitis C protease inhibitor

### Functions

Hepatitis C NS3/4A protease inhibitor that is in clinical use for genotype 1 infections (IC<sub>50</sub> = 354 nM genotype 1b replicon cells; IC<sub>50</sub> = 280 nM human fetal hepatocytes infected with genotype 1a HCV-positive patient sera). It has been shown to inhibit SARS-CoV2 proteases MPro (IC<sub>50</sub> = 15 μM) and 3CLPro (IC<sub>50</sub> = 56 μM). Telaprevir is also an allosteric inhibitor of DnaK, the bacterial homolog of Hsp70. It enhanced the efficacy of aminoglycoside antibiotics and reduced resistance to the tuberculosis drug rifampin.

### 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.**