

## IMP-1700, Bacterial DNA repair inhibitor

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Catalog	Unit
TBI3950-10MG	10 mg
TBI3950-50MG	50 mg

### Product Details

**Formal Name:** 1-Cyclopropyl-6-fluoro-4-oxo-7-(4-(4-(trifluoromethyl)phenyl)carbamothioyl)piperazin-1-yl-1,4-dihydroquinoline-3-carboxylic acid

**Molecular Formula:** C<sub>25</sub>H<sub>22</sub>F<sub>4</sub>N<sub>4</sub>O<sub>5</sub>S

**Formula Weight:** 534.5

**CAS Number:** 1458674-25-3

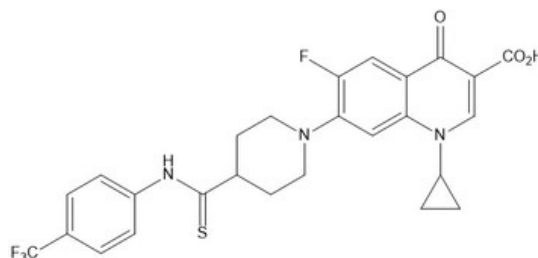
**Purity:** >98%

**Formulation:** Powder

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

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Bacterial DNA repair inhibitor

### Functions

Potent inhibitor of the bacterial DNA double-strand break repair complex AddAB. It is capable of synergistic sensitization of methicillin-resistant staphylococcus aureus (MRSA) to ciprofloxacin (EC<sub>50</sub> = 0.6nM). IMP-1700 is an important new tool for exploring new treatment options for drug resistant bacteria.

### Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**