

Catalog	Unit
TBI3141-5MG	5 mg
TBI3141-25MG	25 mg

Product Details

Formal Name: 4-[4-[[2-(4-chlorophenyl)-5,5-dimethyl-1-cyclohexen-1-yl]methyl]-1-piperazinyl]-N-[[4-[[[(1R)-3-(4-morpholinyl)-1-[(phenylthio)methyl]propyl]amino]-3-[(trifluoromethyl)sulfonyl]-phenyl]sulfonyl]-benzamide

Alternate Names: Navitoclax

Molecular Formula: C₄₇H₅₅ClF₃N₅O₆S₃

Formula Weight: 974.6

CAS Number: 923564-51-6

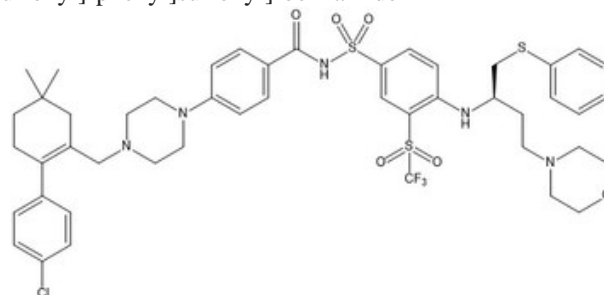
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Bcl-2 family inhibitor, Senolytic agent

Functions

Potent and selective Bcl-2 family inhibitor / BH3 domain mimetic which binds to Bcl-2, Bcl-xL and Bcl-w (K_i<1 nM). A useful tool compound which has shown interesting results in various cancer clinical trials. Synergizes with deoxyglucose and other agents, inducing apoptosis in cancer cells in a xenograft mouse model. A novel senolytic agent, inducing apoptosis preferentially in senescent cells in a cell type-restricted manner.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.