

## SIC5-6, Separase inhibitor

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Catalog	Unit
TBI4075-10MG	10 mg
TBI4075-50MG	50 mg

### Product Details

**Formal Name:** 3,3'-(1-((4-Iodophenyl)sulfonyl)piperidine-4,4'-diyl)bis(1H-indole)

**Molecular Formula:** C<sub>27</sub>H<sub>24</sub>N<sub>3</sub>O<sub>2</sub>S

**Formula Weight:** 581.47

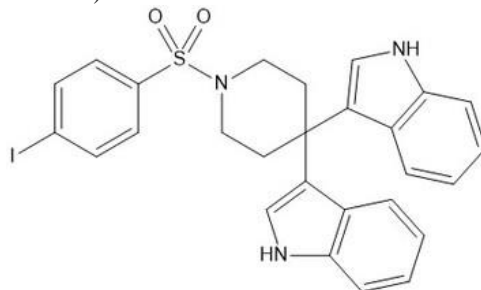
**Purity:** >97%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to at least 50 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Separase inhibitor

### Functions

Inhibitor of separase (a cysteine protease that triggers chromosome segregation during mitosis and is highly overexpressed in many cancers), but not the related protease caspase-1, in vitro. HeLa cells with dysregulated separase activity showed severe chromosome segregation defects on treatment with 30 μM SIC5-6 indicating a potential attractive new chemotherapeutic target.

### Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**