

## YM-155, Survivin inhibitor

Catalog	Unit
TBI1473-5MG	5 mg
TBI1473-25MG	25 mg

### Product Details

**Formal Name:** 1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(pyrazin-2-ylmethyl)-4,9-dihydro-1H-naphtho[2,3-d]imidazol-3-ium bromide

**Alternate Names:** Sepantronium bromide

**Molecular Formula:** C<sub>20</sub>H<sub>19</sub>BrN<sub>4</sub>O<sub>3</sub>

**Formula Weight:** 443.30

**CAS Number:** 781661-94-7

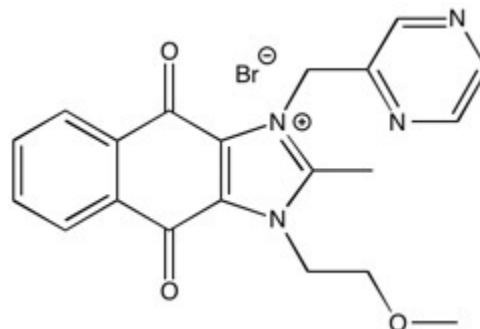
**Purity:** >98%

**Formulation:** powder

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

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Survivin inhibitor

### Functions

A novel small molecule survivin suppressant. YM-155 suppresses expression of survivin (a member of the IAP family) and induced apoptosis in human tumor cell lines at 10 nmol/L with little effect on other IAP or Bcl-2 family members. Overcomes erlotinib resistance in EGFR mutation-positive non-small cell lung cancer. Induces DNA damage. Induces an autophagy-dependent cell death in adenoid cystic carcinoma cells.

### 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.**