

## IWR-1 endo, Tankyrase inhibitor

---

Catalog	Unit
TBI5081-5MG	5 mg
TBI5081-25MG	25 mg

### Product Details

**Formal Name:** 4-(1,3,3a,4,7,7a-Hexahydro-1,3-dioxo-4,7-methano-2H-isoindol-2-yl)-N-8-quinolinyl-benzamide

**Molecular Formula:** C<sub>25</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 409.40

**CAS Number:** 1127442-82-3

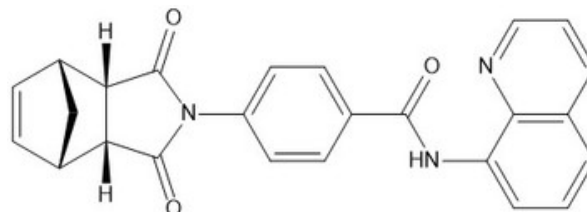
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to at least 10 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Tankyrase inhibitor

### Functions

A potent inhibitor of Wnt signaling (IC<sub>50</sub>=180 nM). Inhibits zebrafish tailfin regeneration (0.5 mM). Acts via inhibition of tankyrase and attenuates wnt/β-catenin signaling in cancer stem-like cells. Promotes self-renewal and maintains pluripotency of human embryonic stem cells. Promotes differentiation of pluripotent stem cells into cardiomyocytes.

### Application Procedures

First dissolved in DMSO (up to at least 10 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.**