

## CCT251236, HSF1 inhibitor

Catalog	Unit
TBI4410-5MG	5 mg
TBI4410-25MG	25 mg

### Product Details

**Formal Name:** N-[5-(2,3-Dihydro-1,4-benzodioxine-6-carboxylamino)-2-methylphenyl]-2-(2-pyrrolidin-1-ylethoxy)quinoline-6-carboxamide

**Molecular Formula:** C<sub>32</sub>H<sub>32</sub>N<sub>4</sub>O<sub>5</sub>

**Formula Weight:** 552.60

**CAS Number:** 1693731-40-6

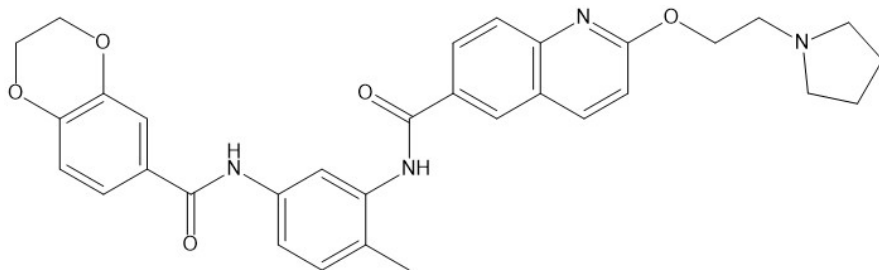
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 5 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

HSF1 inhibitor

### Functions

An inhibitor of the Heat Shock Transcription Factor 1 (HSF1) stress pathway (IC<sub>50</sub> = 19 nM Inhibition HSF-1 mediated HSP72 induction, IC<sub>50</sub> = 40 nM HSPA1A induction). It displayed efficacy in a human ovarian carcinoma xenograft mouse model (SK-OV 3 cells) and inhibited migration of WM266.4 melanoma cells @ 100 nM. CCT251236 showed high affinity for the protein pirin (K<sub>i</sub> = 28 nM), but this target was not shown conclusively to be the cause of the anticancer activity. It also showed efficacy in vitro against primary patient-derived myeloma cells and H929 human myeloma xenograft models.

### Application Procedures

First dissolved in DMSO (up to 5 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.**