

## Ro 5-3335, RUNX1 inhibitor

Catalog	Unit
TBI5887-5MG	5 mg
TBI5887-25MG	25 mg

### Product Details

**Formal Name:** 7-Chloro-1,3-dihydro-5-(1H-pyrrol-2-yl)-2H-1,4-benzodiazepin-2-one

**Molecular Formula:** C<sub>13</sub>H<sub>10</sub>ClN<sub>3</sub>O

**Formula Weight:** 259.7

**CAS Number:** 30195-30-3

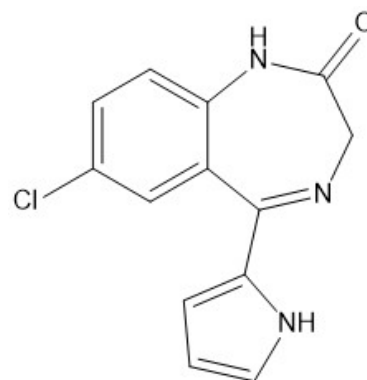
**Purity:** >98%

**Formulation:** Powder

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

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

RUNX1 inhibitor

### Functions

Identified in a screen for inhibitors of the RUNX1-CBFβ interaction. It represses RUNX1/CBFB-dependent transactivation in reporter assays and runx1-dependent hematopoiesis in zebrafish embryos. Ro 5-3335 slows disease progression in various models including acute kidney injury, acute myocardial infarction and osteoarthritis among others. It synergizes with an HDAC inhibitor enhancing the activation of latent HIV-1 in both cell lines and patient PBMCs.

### Application Procedures

First dissolved in Soluble in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**