

## SirtAct (CAY-10591), SIRT1 activator

Catalog	Unit
TBI2595-5MG	5 mg
TBI2595-25MG	25 mg

### Product Details

**Formal Name:** 2-Amino-N-cyclopentyl-1-(3-methoxypropyl)-1H-pyrrolo[2,3-b]quinoxaline-3-carboxamide

**Alternate Names:** CAY10591

**Molecular Formula:** C<sub>20</sub>H<sub>25</sub>N<sub>5</sub>O<sub>2</sub>

**Formula Weight:** 367.46

**CAS Number:** 839699-72-8

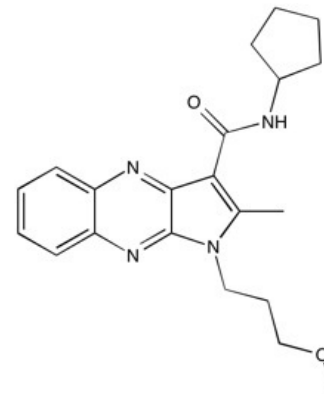
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

SIRT1 activator

### Functions

Sirt1 activator (233% at 10 μM) Suppresses TNFα release from THP-1 cells and stimulates adipogenesis in 3T3L1 cells. SIRT1 stimulation by SirtAct leads to decreased tissue factor mediated thrombogenicity in mice. Inhibits NFκB activation and reduces inflammatory cytokine production in lamina propria mononuclear cells from IBD patients. Prevents and cures experimental colitis in a mouse model.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**