

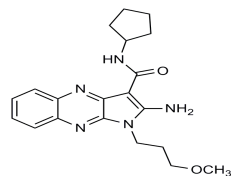
## Product: SirtAct

**ALTERNATE NAME:** 2-Amino-N-cyclopentyl-1-(3-methoxypropyl)-1H-pyrrolo[2,3-b]quinoxaline-3-carboxamide; CAY10591; SIRT1 activator 3; Sirtuin1 Activator 3

**CATALOG #:** 2741-2, 10

**AMOUNT:** 2 mg, 10 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>25</sub>N<sub>5</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 367.5

**CAS NUMBER:** 839699-72-8

**APPEARANCE:** Olive green solid

**SOLUBILITY:** DMSO (50 mg/ml) or EtOH (20 mg/ml, warm)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** SirtAct is a potent Sirtuin 1 (SIRT1) activator. It increases fluorescence by 233% in a SIRT1 activity assay. SIRT1 stimulation by SirtAct leads to decreased tissue factor mediated thrombogenicity in mice. It inhibits NF-κB activation and reduces inflammatory cytokine production in lamina propria mononuclear cells from IBD patients. SirtAct also prevents and cures experimental colitis in a mouse model.

**REFERENCE:** Nayagam, V.M., *et al.* (2006). *J. Biomol. Screen* 11, 959-967.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

Cambinol (**Cat. No. 1653-10**)

Salermide (**Cat. No. 1873-5, 25**)

Sirtuin 2, human recombinant (**Cat. No. 7632-20, -100, -1000**)

SIRT4 (GST-tagged), Human recombinant (**Cat. No. 7673-20, -100**)

SIRT5 (GST-tagged), Human recombinant (**Cat. No. 7674-20, -100**)

Sirtuin 1 (human intracellular) ELISA Kit (**Cat. No. K4923-100**)

Sirtuin 2 (human intracellular) ELISA Kit (**Cat. No. K4924-100**)

SIRT 1 Inhibitor, EX-527 (**Cat. No. 1652-10**)

SIRT 1 Inhibitor Screening Assay Kit (**Cat. No. K322-100**)

SIRT 2 Inhibitor, AGK2 (**Cat. No. 1651-10**)

SIRT 2 Inhibitor, AK-7 (**Cat. No. 1857-5, -25**)

SIRT3 Antibody (**Cat. No. 3223-100**)

SIRT4 Antibody (**Cat. No. 3224-100**)

SIRT5 Antibody (**Cat. No. 3225-100**)

Sirtinol (**Cat. No. 2062-1, -5**)

Suramin, hexasodium salt (**Cat. No. 1874-50, 250**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**