

SirtAct

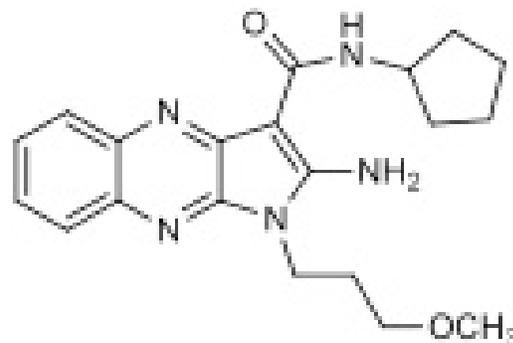
Catalog No: 14080, 14081**Format:** 25 mg, 5 mg**Chemical Properties:**

MW = 367.4

 $C_{20}H_{25}N_5O_2$

CAS 839699-72-8

Physical Properties: Olive green powder

Names: SirtAct, Sirt1 activator 3, CAY10591, 2-Amino-N-cyclopentyl-1-(3-methoxypropyl)-1H-pyrrolo[2,3-b]quinoxaline-3-carboxamide**Pharmacology:** Sirt1 activator. It suppressed TNF α release from THP-1 cells and stimulated adipogenesis in 3T3L1 cells (ref 1). SIRT1 stimulation by SirtAct leads to decreased tissue factor mediated thrombogenicity in mice (ref 2). It inhibited NF κ B activation and reduced inflammatory cytokine production in lamina propria mononuclear cells from IBD patients (ref 3). It prevented and cured experimental Colitis in a mouse model (ref 3).**Solubilization:** May be dissolved in DMSO (50 mg/ml); Ethanol (20 mg/ml, warm)**Fluorescent Properties:** N/A**Quality Control:**

>98% (TLC); NMR (Conforms)

References:

1. VM Nayagam *et al.* *J. Biomol. Screen.* 2006, 11:959
2. SS Barbieri *et al.* *Circulation* 2012, 126:1373
3. R Caruso *et al.* *Mucosal Immunol.* 2014, May 21 Epub

Storage and Guarantee: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months. This product is guaranteed for 6 months from date of arrival.