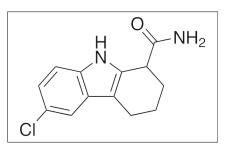


Product ID E9201 CAS No. 49843-98-3 Chemical Name

Synonym Selisistat

Formula C<sub>13</sub>H<sub>13</sub>ClN<sub>2</sub>O Formula Wt. 248.71 Melting Point Purity ≥99% Solubility DMSO 49 mg/mL (197.01 mM) Ethanol 18 mg/mL (72.37 mM) Store Temp Ambient Phone: 888-558-5227 651-644-8424 Fax: 888-558-7329 Email: getinfo@lktlabs.com Web: lktlabs.com

## **Product Information**



## Bulk quanitites available upon request

Product ID	Size
E9201	5 mg
E9201	25 mg

Description EX-527 is an inhibitor of sirtuin 1 (SIRT1); sirtuins are considered class III histone deacetylases (HDACs). EX-527 binds the NAD+ site of sirtuin 1, stabilizing a closed conformation. EX-527 exhibits immunostimulatory and anti-inflammatory activities. In animal models of autoimmune colitis and inflammatory bowel disease, EX-527 increases the number of Foxp3+ Treg cells and prevents weight loss. In animal models of polycystic kidney disease, this compound delays renal cyst formation and growth. Additionally, EX-527 improves myocardial histology and increases the number of Foxp3+ Treg cells in animal models of transplant surgery, prolonging allograft survival.

**References** Akimova T, Xiao H, Liu Y, et al. Targeting sirtuin-1 alleviates experimental autoimmune colitis by induction of Foxp3+ T-regulatory cells. Mucosal Immunol. 2014 Feb 19. [Epub ahead of print]. PMID: 24549276.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.