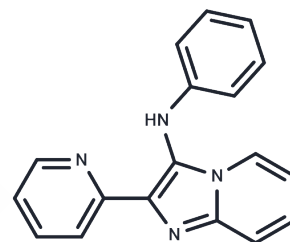


LASSBio-1135

## Chemical Properties

CAS No. : 852453-71-5  
Formula: C<sub>18</sub>H<sub>14</sub>N<sub>4</sub>  
Molecular Weight: 286.33  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | LASSBio-1135 is an orally effective antagonist of TRPV1 and inhibitor of TNF- $\alpha$ production.  |
| Targets(IC50) | TNF,TRP/TRPV Channel  |
| In vivo       | Oral administration of 100 mol x Kg(-1) LASSBio-1135 markedly reduced thermal hyperalgesia induced by carrageenan, however at 10 mol x Kg(-1) only a partial reduction was observed at the 4th h. Neutrophil recruitment and TNF- $\alpha$ production after carrageenan stimulus was also inhibited by the treatment with LASSBio-1135. Modulating TRPV1 and TNF- $\alpha$ production, two key therapeutic targets of neuropathic pain, 100 mol x Kg(-1) LASSBio-1135 was orally efficacious in reversing thermal hyperalgesia and mechanical allodynia produced by partial sciatic ligation 7-11 days after surgery without provoking hyperthermia, a common side effect of TRPV1 antagonists. |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 2.87 mg/mL (10.02 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

### Preparing Stock Solutions

---

|       | <b>1mg</b> | <b>5mg</b> | <b>10mg</b> |
|-------|------------|------------|-------------|
| 1 mM  | 3.4925 mL  | 17.4624 mL | 34.9247 mL  |
| 5 mM  | 0.6985 mL  | 3.4925 mL  | 6.9849 mL   |
| 10 mM | 0.3492 mL  | 1.7462 mL  | 3.4925 mL   |
| 50 mM | 0.0698 mL  | 0.3492 mL  | 0.6985 mL   |

---

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Lima C K F , Silva R M , Lacerda R B , et al. LASSBio-1135: A Dual TRPV1 Antagonist and Anti-TNF-Alpha Compound Orally Effective in Models of Inflammatory and Neuropathic Pain[J]. PLOS ONE, 2014, 9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481