

OB-2

## Chemical Properties

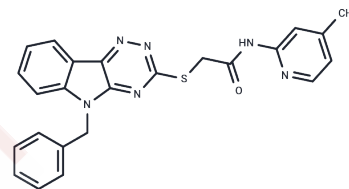
CAS No. : 300689-25-2

Formula: C<sub>24</sub>H<sub>20</sub>N<sub>6</sub>O<sub>5</sub>

Molecular Weight: 440.52

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	OB-2 is an inhibitor of stomatin-like protein-3 (STOML3) oligomerization. OB-2 reversibly reduces the sensitivity of mechanically gated currents in sensory neurons and silence mechanoreceptors in vivo.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.270 mL	11.3502 mL	22.7004 mL
5 mM	0.454 mL	2.270 mL	4.5401 mL
10 mM	0.227 mL	1.135 mL	2.270 mL
50 mM	0.0454 mL	0.227 mL	0.454 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

- Raju J, Roberts J, Chen Q, Aziz SA, Caldwell D, Bird RP, Scoggan KA, Brooks SP. Fermentable Carbohydrates Differentially Affect Colon Tumor Formation in Azoxymethane-Induced Male Fischer 344 Rats. *J Nutr.* 2016 Mar 9. pii: jn214833. [Epub ahead of print] PubMed PMID: 26962187.
- Ma JB, Meng JH, He SG. Methane Activation Mediated by a Series of Cerium-Vanadium Bimetallic Oxide Cluster Cations: Tuning Reactivity by Doping. *Chemphyschem.* 2016 Apr 18;17(8):1112-8. doi: 10.1002/cphc.201501126. Epub 2016 Feb 4. PubMed PMID: 26714587.
- Maatman RC, Spruit MA, van Melick PP, Peeters JP, Rutten EP, Vanfleteren LE, Wouters EF, Franssen FM. Effects of obesity on weight-bearing versus weight-supported exercise testing in patients with COPD. *Respirology.* 2016 Apr; 21(3):483-8. doi: 10.1111/resp.12700. Epub 2015 Dec 9. PubMed PMID: 26647921.
- Martins BC, Plummer CE, Gelatt KN, Brooks DE, Czerwinski SE, Monk C, Greenberg SM, Mangan BG, Londoño L, Bolfer L, Bandt C, Schaer M. Ophthalmic abnormalities secondary to periocular or ocular snakebite (pit vipers) in dogs--11 cases (2012-2014). *Vet Ophthalmol.* 2016 Mar;19(2):149-60. doi: 10.1111/vop.12276. Epub 2015 Apr 24. PubMed PMID: 25912317.

**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