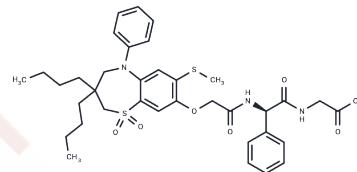


Elobixibat

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 439087-18-0 |
| Formula: | C ₃₆ H ₄₅ N ₃ O ₇ S ₂ |
| Molecular Weight: | 695.89 |
| 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 | Elobixibat (A 3309) is an inhibitor of the ileal bile acid transporter (IC ₅₀ : 0.13 nM, 0.53 nM, and 5.8 nM for mouse, human, and canine IBAT). Elobixibat can be used in studies about chronic idiopathic constipation. |
| Targets(IC ₅₀) | Others, Interleukin, TNF, ASBT |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 150 mg/mL (215.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: < 10 mg/mL (14.37 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (14.37 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.437 mL | 7.185 mL | 14.3701 mL |
| 5 mM | 0.2874 mL | 1.437 mL | 2.874 mL |
| 10 mM | 0.1437 mL | 0.7185 mL | 1.437 mL |
| 50 mM | 0.0287 mL | 0.1437 mL | 0.2874 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

Wong BS, et al. Elobixibat for the treatment of constipation. Expert Opin Investig Drugs. 2013 Feb; 22(2):277-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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