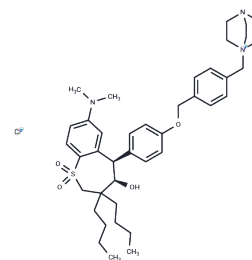


## Maralixibat Chloride

### Chemical Properties

CAS No. :	228113-66-4
Formula:	C <sub>40</sub> H <sub>56</sub> ClN <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	710.41
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	Maralixibat Chloride (LUM001 chloride), an apical, sodium-dependent, bile acid transport inhibitor, prevents enterohepatic bile acid recirculation.
Targets(IC50)	Potassium Channel,ASBT
In vivo	Maralixibat chloride can increase the level of sBA and reduce liver injury in cholestatic rats by partial bile duct ligation[1].

### Solubility Information

Solubility	DMSO: 150 mg/mL (211.15 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 (14.08 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	1.4076 mL	7.0382 mL	14.0764 mL
5 mM	0.2815 mL	1.4076 mL	2.8153 mL
10 mM	0.1408 mL	0.7038 mL	1.4076 mL
50 mM	0.0282 mL	0.1408 mL	0.2815 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

Kurata, Hitoshi; Bioorganic & Medicinal Chemistry Letters (2004), 14(5), 1183-1186

**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