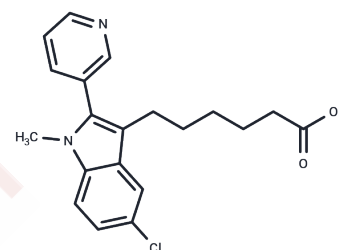


CGS 15435

## Chemical Properties

CAS No. : 95853-92-2  
 Formula: C<sub>20</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 356.85  
 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	CGS 15435 is a potent thromboxen (TxA <sub>2</sub> ) synthetase inhibitor (IC <sub>50</sub> : 1 nM). CGS 15435 acts on PGI <sub>2</sub> synthase, cyclooxygenase and liposynthase with much less selectivity than on thromboxin synthase.
Targets(IC <sub>50</sub> )	Others,PPAR,Prostaglandin Receptor
In vitro	CGS 15435 inhibited the formation of PGE <sub>2</sub> (IC <sub>50</sub> :1200 μM), PGI <sub>2</sub> synthetase (IC <sub>50</sub> :90 μM) and 5-lipoxygenase (IC <sub>50</sub> :60 μM).[1]
In vivo	The effect of CGS 15435 was long lasting, as the increase of plasma TxB <sub>2</sub> levels was prevented even 24 hours after the administration of CGS 15435. CGS 15435 inhibited the formation of TxB <sub>2</sub> significantly at 4, 6, 12 and 24 h after administration. Administration of CGS 15435 0.25 or 24 h before arachidonic acid (AA) did not increase TxB <sub>2</sub> in surviving animals (4/4 and 5/6, respectively). The final TxB <sub>2</sub> level in CGS15435A(pretreatment for 0.25 and 24 h) groups was significantly lower than that in arachidonic acid (AA) and daxibon (pretreatment for 2 h) groups.[1]

## Solubility Information

Solubility	DMSO: 3.57 mg/mL (10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	2.8023 mL	14.0115 mL	28.023 mL
5 mM	0.5605 mL	2.8023 mL	5.6046 mL
10 mM	0.2802 mL	1.4011 mL	2.8023 mL
50 mM	0.056 mL	0.2802 mL	0.5605 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

Olson RW, et al. CGS 15435A, a thromboxane synthetase inhibitor with an extended duration of action: a comparison with dazoxiben. Eur J Pharmacol. 1987 Jan 20;133(3):265-73.

**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