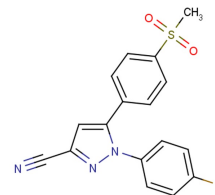


## COX-2-IN-2

## Chemical Properties

CAS No.:	134729-13-8
Formula:	C <sub>17</sub> H <sub>12</sub> FN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	341.36
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	COX-2-IN-2 is a selective and inducible COX2 inhibitor (IC <sub>50</sub> : 0.24 μM).
Targets(IC <sub>50</sub> )	COX-2: 240 nM
In vitro	COX-2-IN-2 (100μM) shows no COX-1 inhibition.
In vivo	On adjuvant-induced arthritis and collagen-induced arthritis, COX-2-IN-2 has oral ED <sub>50</sub> values of 0.030 and 0.47mg/kg, respectively. It has an ED <sub>30</sub> value of 7.4mg/kg in the yeast-induced hyperalgesia (Randall-Selitto) assay. COX-2-IN-2 shows good analgesic activity and no ulcerogenic.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.929 mL	14.647 mL	29.295 mL
5 mM	0.586 mL	2.929 mL	5.859 mL
10 mM	0.293 mL	1.465 mL	2.929 mL
50 mM	0.059 mL	0.293 mL	0.586 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Tsuji K, et al. Studies on anti-inflammatory agents. IV. Synthesis and pharmacological properties of 1,5-diarylpyrazoles and related derivatives. Chem Pharm Bull (1997), 45(6), 987-995.

Inhibitors · Natural Compounds · Compound Libraries

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

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481