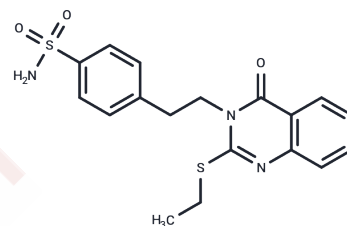


## COX-2-IN-18

## Chemical Properties

CAS No. :	1038061-96-9
Formula:	C <sub>18</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	389.49
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	COX-2-IN-18 is a potent and selective COX-2 inhibitor (IC <sub>50</sub> = 30 nM). It alleviates inflammation and pain by inhibiting PGE <sub>2</sub> production in autoimmune research.
Targets(IC <sub>50</sub> )	COX

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5675 mL	12.8373 mL	25.6746 mL
5 mM	0.5135 mL	2.5675 mL	5.1349 mL
10 mM	0.2567 mL	1.2837 mL	2.5675 mL
50 mM	0.0513 mL	0.2567 mL	0.5135 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

Khanna I K, Weier R M, Yu Y, et al. 1, 2-Diarylpyrroles as potent and selective inhibitors of cyclooxygenase-2[J]. Journal of medicinal chemistry, 1997, 40(11): 1619-1633.

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