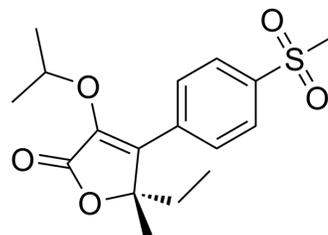


## COX-2-IN-36

Cat. No.:	HY-105304
CAS No.:	189954-93-6
Molecular Formula:	C <sub>17</sub> H <sub>22</sub> O <sub>5</sub> S
Molecular Weight:	338.42
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	COX-2-IN-36 (compound 1) is a very potent and specific COX-2 inhibitor, with an IC <sub>50</sub> of 0.4 μM <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.4 μM (COX-2) <sup>[2]</sup> .

### REFERENCES

[1]. Lushi Tan, et al. Practical enantioselective synthesis of a COX-2 specific inhibitor. Tetrahedron Volume 58, Issue 37, 9 September 2002, Pages 7403-7410.

[2]. Yves Leblanc, et al. Discovery of a potent and selective COX-2 inhibitor in the alkoxy lactone series with optimized metabolic profile. Bioorg Med Chem Lett. 2002 Nov 18;12(22):3317-20.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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