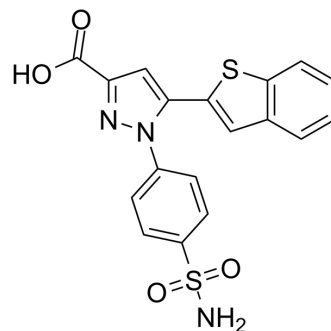


COX-2/5-LOX-IN-2

Cat. No.:	HY-146295
CAS No.:	2410384-59-5
Molecular Formula:	C ₁₈ H ₁₃ N ₃ O ₄ S ₂
Molecular Weight:	399.44
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

COX-2/5-LOX-IN-2 (5b) is a potent and dual inhibitor of COX-2/5-LOX. COX-2/5-LOX-IN-2 is a benzothiophen-2-yl pyrazole carboxylic acid derivative. COX-2/5-LOX-IN-2 shows the most potent analgesic and anti-inflammatory activities surpassing that of Celecoxib and Indomethacin. COX-2/5-LOX-IN-2 shows potent COX-1, COX-2 and 5-LOX inhibitory activity with IC₅₀s of 5.40, 0.01 and 1.78 μM, respectively^[1].

REFERENCES

[1]. Gedawy EM, et al. Design, synthesis and biological evaluation of novel pyrazole sulfonamide derivatives as dual COX-2/5-LOX inhibitors. *Eur J Med Chem.* 2020;189:112066.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA