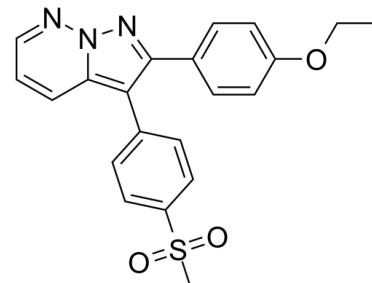


Data Sheet

Product Name:	GW-406381
Cat. No.:	CS-0066982
CAS No.:	221148-46-5
Molecular Formula:	C ₂₁ H ₁₉ N ₃ O ₃ S
Molecular Weight:	393.46
Target:	COX
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 100 mg/mL (254.16 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

GW406381, a highly selective **cyclooxygenase-2 (COX-2)** inhibitor, attenuates spontaneous ectopic discharge in sural nerves of rats following chronic constriction injury^{[1][2]}. IC₅₀ & Target: COX-2^[1]

References:

[1]. Zhao FY, et al. GW406381, a novel COX-2 inhibitor, attenuates spontaneous ectopic discharge in sural nerves of rats following chronic constriction injury. Pain. 2007 Mar;128(1-2):78-87.

[2]. Boswell DJ, et al. Evaluation of GW406381 for treatment of osteoarthritis of the knee: two randomized, controlled studies. Medscape J Med. 2008;10(11):259.

CAIndexNames:

Pyrazolo[1,5-b]pyridazine,2-(4-ethoxyphenyl)-3-[4-(methylsulfonyl)phenyl]-

SMILES:

O=S(C1=CC=C(C=C1)C2=C3C=CC=NN3N=C2C4=CC=C(C=C4)OCC)(C)=O

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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