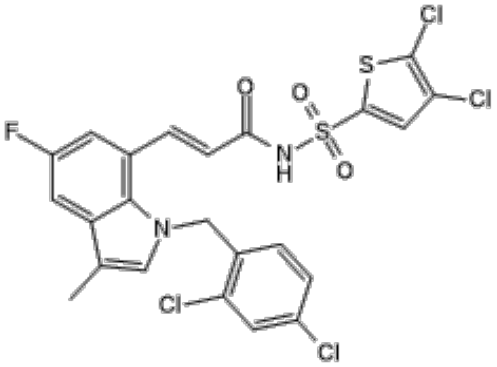
Product Data Sheet

Product Name: DG 041
Cat. No.: GC50393

Chemical Properties

Cas. No.	861238-35-9		
SMILES	CC1=CN(C2=C(C=C(C=C12)F)/C=C/C(NS(=O)(C3=CC(Cl)=C(S3)Cl)=O)=O)CC4=C(C=C(C=C4)Cl)Cl		
Formula	C23H15Cl4FN2O3S2	M.Wt	592.32
Solubility	DMSO : 250 mg/mL (422.07 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Potent and selective EP3 antagonist (IC50 = 4.6 nM). Inhibits PGE2 facilitation of platelet aggregation in vitro and ex vivo. Displays good plasma and metabolic stability. Does not affect bleeding time in rats. Antiplatelet and antithrombotic.

Markovič et al (2017) Structural features of subtype-selective EP receptor modulators. Drug Discov.Today. 22 57 PMID:27506873 |Singh et al (2009) Antagonists of the EP3 receptor for prostaglandin E2 are novel antiplatelet agents that do not prolong bleeding. ACS Chem.Biol. 4 115 PMID:19193156

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