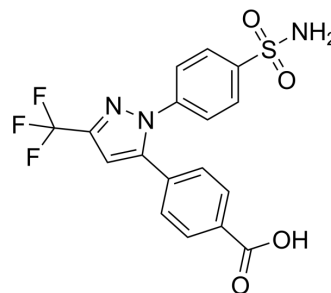


Celecoxib carboxylic acid

Cat. No.:	HY-134234
CAS No.:	170571-01-4
Molecular Formula:	C ₁₇ H ₁₂ F ₃ N ₃ O ₄ S
Molecular Weight:	411.36
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (303.87 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4310 mL	12.1548 mL	24.3096 mL
	5 mM	0.4862 mL	2.4310 mL	4.8619 mL
	10 mM	0.2431 mL	1.2155 mL	2.4310 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Celecoxib carboxylic acid is a metabolite of celecoxib (HY-14398). Celecoxib is a selective COX-2 inhibitor with an IC₅₀ of 40 nM^[1].

REFERENCES

[1]. Kim SH, et al. Effects of CYP2C9 genetic polymorphisms on the pharmacokinetics of celecoxib and its carboxylic acid metabolite. Arch Pharm Res. 2017 Mar;40(3):382-390.

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

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