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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

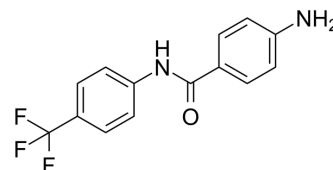
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Teriflunomide impurity 3

Cat. No.:	HY-134753
CAS No.:	1011244-72-6
Molecular Formula:	C ₁₄ H ₁₁ F ₃ N ₂ O
Molecular Weight:	280.25
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (892.06 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.5682 mL	17.8412 mL	35.6824 mL
		5 mM		0.7136 mL	3.5682 mL	7.1365 mL
		10 mM		0.3568 mL	1.7841 mL	3.5682 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.42 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Teriflunomide impurity 3 (4-Amino-N-(4-trifluoromethylphenyl)benzamide) is a selective COX-1 inhibitor with an IC ₅₀ of 30 μM. Teriflunomide impurity 3 is less active against COX-2 (IC ₅₀ >100 μM) ^[1] .
IC ₅₀ & Target	COX-1 30 μM (IC ₅₀)
In Vitro	Teriflunomide impurity 3 (4-Amino-N-(4-trifluoromethylphenyl)benzamide; compound 11q) is an amide-bond-reversed compound bearing trifluoromethyl and amino substituents showed potent COX-1-selective inhibitory activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hiroki Kakuta, et al. Cyclooxygenase-1-selective inhibitors are attractive candidates for analgesics that do not cause gastric damage. design and in vitro/in vivo evaluation of a benzamide-type cyclooxygenase-1 selective inhibitor. J Med Chem. 2008 Apr 24

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