Acifran

Cat. No.: HY-107579

CAS No.: 72420-38-3

Molecular Formula: $C_{12}H_{10}O_4$

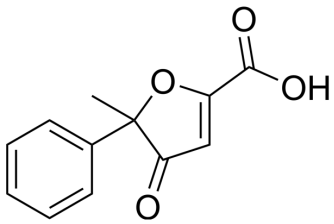
Molecular Weight: 218.21

Target: GPR109A

Pathway: GPCR/G Protein

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (572.84 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.5827 mL	22.9137 mL	45.8274 mL
	5 mM	0.9165 mL	4.5827 mL	9.1655 mL
	10 mM	0.4583 mL	2.2914 mL	4.5827 mL

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

BIOLOGICAL ACTIVITY

Description

Acifran (AY 25712), an antihyperlipidemic agent, is an orally active agonist of GPR109A (HM74A) and GPR109B, the high and low affinity receptors for Niacin[1][2].

REFERENCES

[1]. M N Cayen, et al. The metabolic disposition of acifran, a new antihyperlipidemic agent, in rats and dogs. Xenobiotica. 1986 Mar;16(3):251-63.

[2]. Jae-Kyu Jung, et al. Analogues of acifran: agonists of the high and low affinity niacin receptors, GPR109a and GPR109b. J Med Chem. 2007 Apr 5;50(7):1445-8.

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