

GW590735

Chemical Properties

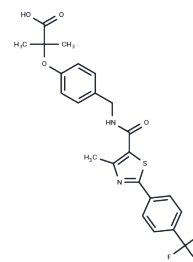
CAS No. : 343321-96-0

Formula: C₂₃H₂₁F₃N₂O₄S

Molecular Weight: 478.48

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GW590735 is an effective and selective PPAR α agonist with an EC ₅₀ of 4 nM on PPAR α and at least 500-fold selectivity versus PPAR δ and PPAR γ . GW590735 can be used in dyslipidemia studies.
Targets(IC ₅₀)	PPAR
In vivo	GW590735 (2 mg/kg; i.v.) shows Cl, Vd, T _{1/2} , and F% are 13 mL/min/kg, 2.8 L/kg, 2.6 hours and 85%, respectively in dogs while GW590735 (2.7 mg/kg; i.v.) shows Cl, Vd, T _{1/2} , and F% are 5 mL/min/kg, 1 L/kg, 2.4 hours and 47%, respectively in rats. In male C

Solubility Information

Solubility	DMSO: 50 mg/mL (104.5 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.090 mL	10.4498 mL	20.8995 mL
5 mM	0.418 mL	2.090 mL	4.1799 mL
10 mM	0.209 mL	1.045 mL	2.090 mL
50 mM	0.0418 mL	0.209 mL	0.418 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Sierra ML, et al. Substituted 2-[(4-aminomethyl)phenoxy]-2-methylpropionic acid PPAR α agonists. Discovery of a novel series of potent HDLc raising agents. J Med Chem. 2007;50(4):685-695.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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