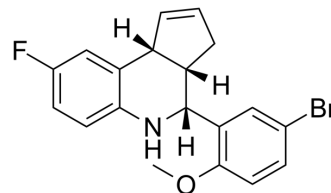


GPR30 agonist-1

Cat. No.:	HY-138686		
CAS No.:	415919-74-3		
Molecular Formula:	C ₁₉ H ₁₇ BrFO		
Molecular Weight:	374.25		
Target:	Estrogen Receptor/ERR		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (133.60 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6720 mL	13.3601 mL	26.7201 mL
	5 mM	0.5344 mL	2.6720 mL	5.3440 mL
	10 mM	0.2672 mL	1.3360 mL	2.6720 mL

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

BIOLOGICAL ACTIVITY

Description

GPR30 agonist-1 is a G protein-coupled receptor 30 (GPR30) agonist. GPR30 agonist-1 exerts vasorelaxant effects^[1].

In Vivo

GPR30 agonist-1 (compound 5408-0877) (1 nM-10 μM) induces a concentration-dependent relaxation in carotid arteries from both male and female rats. GPR30 agonist-1-induced relaxation is abolished by endothelium removal and abrogated in the presence of the nitric oxide synthase inhibitor NG-nitro-L-arginine methyl ester (100 μM)^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Brad R S Broughton, et al. Endothelium-dependent relaxation by G protein-coupled receptor 30 agonists in rat carotid arteries. *Am J Physiol Heart Circ Physiol.* 2010 Mar;298(3):H1055-61.

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