Data Sheet (Cat.No.T40517)

TargetMol

GPR30 agonist-1

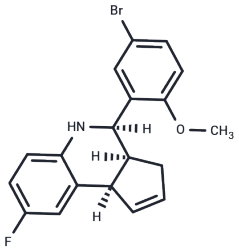
Chemical Properties

CAS No. : 415919-74-3

Formula: C19H17BrFNO

Molecular Weight: 374.253

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	GPR30 agonist-1 is a compound that acts as an agonist for G protein-coupled receptor 30 (GPR30), inducing vasorelaxation.
Targets(IC50)	Estrogen Receptor/ERR,Others
In vivo	GPR30 agonist-1 (compound 5408-0877) induces a concentration-dependent relaxation in carotid arteries of both male and female rats at concentrations from 1 nM to 10 μM. This effect is abolished by the removal of the endothelium and inhibited by the nitric oxide synthase inhibitor NG-nitro-l-arginine methyl ester (100 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.672 mL	13.3601 mL	26.7201 mL
5 mM	0.5344 mL	2.672 mL	5.344 mL
10 mM	0.2672 mL	1.336 mL	2.672 mL
50 mM	0.0534 mL	0.2672 mL	0.5344 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481