G-1
Catalogue Number : 8819813

Product Information

Synonyms: GPR30 Agonist, AC1MJFYZ, MLS001242405
Chemical Name: 1-[4-(6-bromo-1,3-benzodioxol-5-yl)-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-8-yl]e thanone
Molecular Formula: C_{21}H_{18}BrNO_3
Molecular Weight: 412.3
CAS Number: 881639-98-1
Purity: ≥98%
Applications: FA
Formulation: Crystalline solid
Storage: Product should be kept at -20°C.

Description
G-1 is a selective and potent agonist against the GPR30 receptor, an estradiol binding receptor that contributes to both uterine and neurological responses. G-1 inhibits the production of lipopolysaccharide (LPS) induced cytokines such as IL-6 and TNF-alpha. It is also reported to block MCF-1 cell cycle progression at the G1 phase and display therapeutic effects in multiple sclerosis models.

Preparation & Storage
Soluble in organic solvents such as ethanol or DMSO.

References