AR231453

GPR119 activator

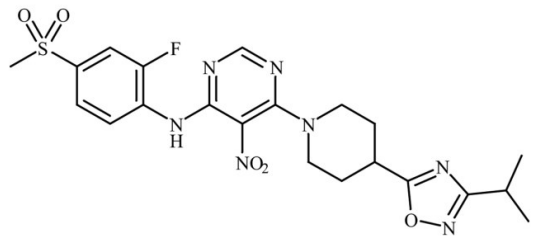
Synthetic agonist of the orphan GPR119. Although endogenous lipid amides such as oleoyl ethanolamide have been reported to be agonists at GPR119, AR231453 is the first reported high potency agonist (EC_{50} =0.68nM). The compound displayed *in vivo* activity in rodents and was active in an oral glucose tolerance test in mice following oral administration. AR231453 stimulated the release of GLP-1 via GPR119 receptors in mouse models. It was shown to be a highly selective ligand with no off-target activity across a 76 receptor and enzyme profiling panel (CEREP) and no activity against 140 known and orphan GPCRs in melanophore dispersion assays.

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Ordering Information Order Online »

BML-GP100-0005	5mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2-Fluoro-4-methanesulfonyl-phenyl)-{6-[4-(3-isopropyl-[1,2,4]oxadiazol-5-yl)-piperidin-1-yl]-5-nitro-pyrimidin-4-yl}-amine
Appearance	Yellow solid.
CAS	733750-99-7
Couple Target	GPR119
Couple Type	Activator, Ligand
Formula	$C_{21}H_{24}FN_7O_5S$
Identity	Determined by NMR.
MW	505.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (>25mg/ml).

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