

Product Name: OX 04528

Catalog No.: 8131

Batch No.: 1

CAS Number: 3028055-45-7

IUPAC Name: 3-(3-(3,5-Bis(trifluoromethyl)phenyl)propyl)-5-hydroxypyridine-1-oxide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₃F₆NO₂·³/₄H₂O

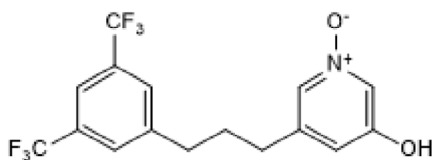
Batch Molecular Weight: 378.79

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.73	3.86	3.7
Found	50.02	3.79	3.7

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: OX 04528

Catalog No.: 8131

Batch No.: 1

CAS Number: 3028055-45-7

IUPAC Name: 3-(3-(3,5-Bis(trifluoromethyl)phenyl)propyl)-5-hydroxypyridine-1-oxide

Description:

OX 04528 is a highly potent and selective GPR84 agonist. It inhibits cAMP production in CHO cells expressing human GPR84 (EC₅₀ = 6 pM) and shows no β-arrestin recruitment. Exhibits selectivity for GPR84 over FFA1, FFA4, and CB2 receptors. In vivo, OX 04528 shows a half-life of 58 minutes following oral dosing at 10 mg/kg in mouse pharmacokinetic studies. OX 04528 is orally bioavailable.

Physical and Chemical Properties:

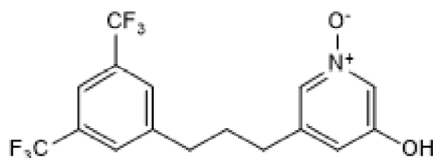
Batch Molecular Formula: C₁₆H₁₃F₆NO₂·¾H₂O

Batch Molecular Weight: 378.79

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Wang et al (2024) Development of highly potent, G-protein pathway biased, selective, and orally bioavailable GPR84 agonists. *J.Med.Chem.* **67** 110. PMID: 38146625.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956