

Product Name: XEN 445

Catalog No.: 5839

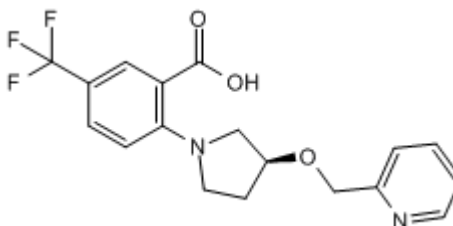
Batch No.: 1

CAS Number: 1515856-92-4

IUPAC Name: 2-[(3S)-3-(2-Pyridinylmethoxy)-1-pyrrolidinyl]-5-(trifluoromethyl)benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₇F₃N₂O₃
Batch Molecular Weight: 366.33
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.02	4.68	7.65
Found	59.11	4.72	7.5

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

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Description:

Selective endothelial lipase (EL) inhibitor (IC_{50} = 237 nM for human EL). Exhibits >20-fold selectivity for EL over lipoprotein lipase (LPL) and hepatic lipase (HL). Increases high density lipoprotein cholesterol (HDLc) plasma levels in mice. Orally bioavailable.

Physical and Chemical Properties:

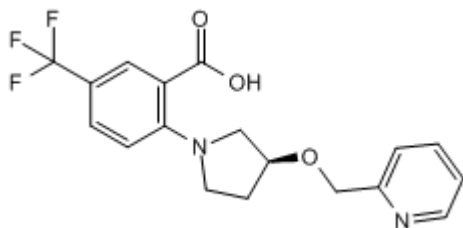
Batch Molecular Formula: C₁₈H₁₇F₃N₂O₃

Batch Molecular Weight: 366.33

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Sun *et al* (2013) Discovery of XEN445: a potent and selective endothelial lipase inhibitor raises plasma HDL-cholesterol concentration in mice. *Bioorg.Med.Chem.* **21** 7724. PMID: 24211162.

Storage: Store at +4°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. Our standard recommendations are:

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.

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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