

PRODUCT: L-755,507

ALTERNATE NAME: 4-[[[(Hexylamino)carbonyl]amino]-N-[4-[2-[[[(2S)-2-hydroxy-3-(4-hydroxyphenoxy)propyl]amino]ethyl]phenyl]-benzenesulfonamide

CATALOG #: B1116-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₄₀N₄O₆S

MOLECULAR WEIGHT: 584.73

CAS NUMBER: 159182-43-1

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: L-755,507 is a partial agonist of β_3 -adrenergic receptors ($EC_{50} = 0.43$ nM). It displays >440-fold selectivity for β_3 - over β_1 - and β_2 -adrenoceptors (EC_{50} s = 580 and >10,000 nM, respectively). Enhances CRISPR-mediated homology-directed repair (HDR) efficiency in human induced pluripotent stem cells (iPSCs).

REFERENCES: Yu, Y., *et al.* (2015). *Cell Stem Cell* **16**, 142-147.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Azidothymidine (**B1113**)
Compound 401 (**1657**)
(Z)-4-Hydroxytamoxifen (**B1114**)
KU-0060648 (**B1115**)
L-755,507 (**B1116**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**