

FPI-1523 sodium Biochemical | FPI-1523 biochemical

FPI-1523 sodium

CATALOG #
AAA227736

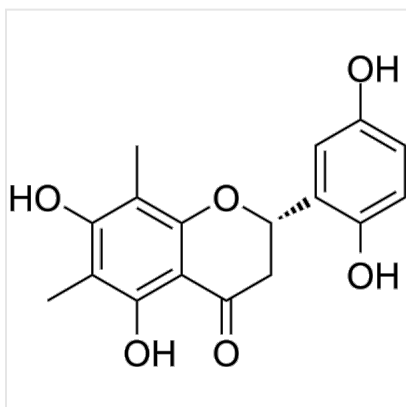
PRODUCT SYNONYMS

FPI-1523 sodium; FPI-1523 biochemical

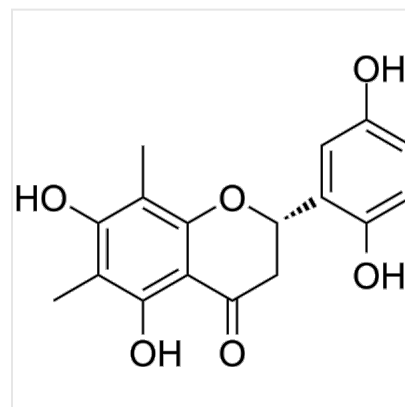
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1452459-52-7
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	FPI-1523 sodium inhibits K12 E. coli K12 and PBP2, with MIC and IC 50 of 4 ug/mL and 0.4 ug/mL, respectively[1]. FPI-1523 sodium inhibit E. coli BW25113 pGDP-2 transformants either with an empty vector or expressing different beta-lactamases, with low MICs (1-2 uM)[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Myricacetin, CAS 203734-35-4



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ADDITIONAL INFORMATION

Related Product Information for FPI-1523 biochemical	FPI-1523 sodium, a derivative of Avibactam, is a potent beta-lactamase inhibitor, with K _d s of 4 nM and 34 nM for CTX-M-15 and OXA-48, respectively. FPI-1523 sodium also inhibits PBP2, with an IC ₅₀ of 3.2 uM. FPI-1523 sodium exhibits considerable antimicrobial activity.
References	- Hisashi MATSUDA, et al. Antidiabetic Principles of Natural Medicines. V.1) Aldose Reductase Inhibitors from Myrcia multiflora DC. (2): Structures of Myricacitrins III, IV, and V. N Chem. Pharm. Bull. 50(3) 429—431 (2002) - Xin-Wei Lou, et al. Identification and characterization of three new flavonoids from Rhododendron dauricum. Chin J Nat Med

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

