

FPI-1523 biochemical

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CATALOG #
AAA227735

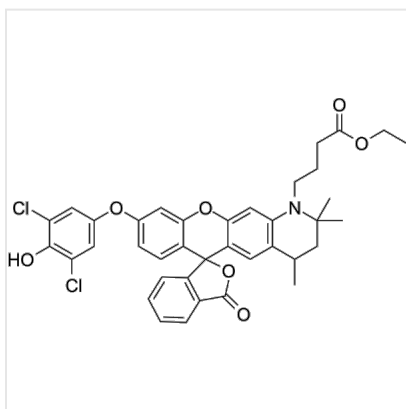
PRODUCT SYNONYMS

FPI-1523; BXY2142; FPI-1523 biochemical

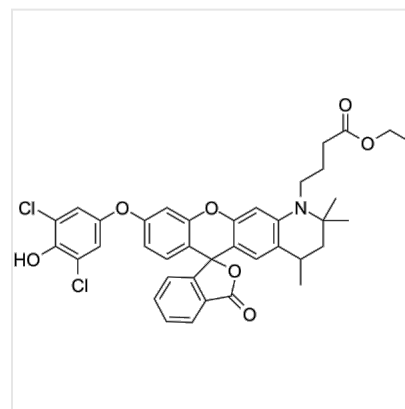
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1452459-50-5
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	FPI-1523 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 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
HKOCI-4, CAS 2031170-85-9



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ADDITIONAL INFORMATION

Related Product Information for FPI-1523 biochemical	FPI-1523, 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 also inhibits PBP2, with an IC ₅₀ of 3.2 uM. FPI-1523 exhibits considerable antimicrobial activity.
References	- Dan Yang, et al. Diarylether-based fluorogenic probes for detection of hypochlorous acid or hydroxyl radical. Patent US20160312033. - Xiaoyu Bai, et al. HKOCI-4: a rhodol-based yellow fluorescent probe for the detection of hypochlorous acid in living cells and tissues.

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.

