

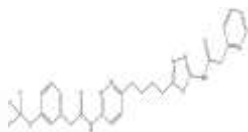
PRODUCT: CB-839

ALTERNATE NAME: 2-(pyridin-2-yl)-N-(5-(4-(6-(2-(3-(trifluoromethoxy)phenyl)acetamido)pyridazin-3-yl)butyl)-1,3,4-thiadiazol-2-yl)acetamide

CATALOG #: B1179-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₄F₃N₇O₃S

MOLECULAR WEIGHT: 571.57

CAS NUMBER: 1439399-58-2

APPEARANCE: Light yellow to yellow solid

SOLUBILITY: DMSO

PURITY: ≥97% by HPLC

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

DESCRIPTION: CB-839 is a potent, selective, and orally bioavailable inhibitor of both splice variants of glutaminase (KGA and GAC); inhibits recombinant GAC with an IC₅₀ of <15 nM. CB-839 displays antiproliferative activity in a triple-negative breast cancer (TNBC) cell line, HCC-1806, that is associated with a marked decrease in glutamine consumption, glutamate production, oxygen consumption, and the steady-state levels of glutathione and several tricarboxylic acid cycle intermediates.

REFERENCES: Gross, M.I., *et al.* (2014). *Mol. Cancer Ther.* **13**, 890-901.

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

RELATED PRODUCTS:

ADX-47273 (**9562**)

Congo Red (**2588**)

Glutamate Colorimetric Assay Kit (**K629**)

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