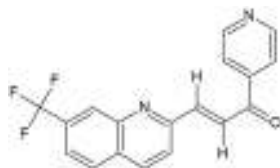


PFK-158

ALTERNATE NAME: PFK158
ACTPFK158
(E)-1-(pyridin-4-yl)-3-(7-(trifluoromethyl)quinolin-2-yl)prop-2-en-1-one

CATALOG #: B2515-5 5 mg
B2515-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₁F₃N₂O

MOLECULAR WEIGHT: 328.29

CAS NUMBER: 1462249-75-7

APPEARANCE: White to off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >30 mg/ml DMSO

DESCRIPTION: PFK158 is an inhibitor of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 (PFKFB3; IC₅₀ = 137 nM for human recombinant PFKFB3). Upon administration, PFK-158 binds to and inhibits the activity of PFKFB3, which leads to the inhibition of both the glycolytic pathway in and glucose uptake by cancer cells.

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

3PO (B2018)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***