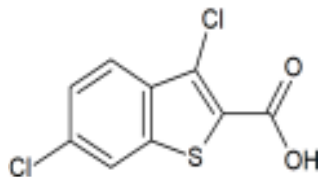


BT2 (BCKDC Kinase Inhibitor)

ALTERNATE NAME: 3,6-Dichlorobenzo[b]thiophene-2-carboxylic acid

CATALOG #: B2764-10 10 mg
B2764-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₉H₄Cl₂O₂S

MOLECULAR WEIGHT: 247.1

CAS NUMBER: 34576-94-8

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~20 mg/ml DMSO

DESCRIPTION: BT2 is an inhibitor of the mitochondrial branched-chain α-ketoacid dehydrogenase complex kinase (BCKDC) - IC₅₀ = 3.19 μM. Inhibition of this kinase has been shown to reduce levels of branched-chain amino acid concentrations in vivo. BT2 also acts as a moderate inhibitor (K_i = 59 μM) of myeloid cell leukemia 1 (Mcl 1), a Bcl-2 family protein.

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:

UMI-77 (B1108)
BRD7116 (B1578)
S63845 (B1819)
Mcl-1 Antibody (3035)

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