

BT2, BCKDC kinase inhibitor

Catalog	Unit
TBI4717-10MG	10 mg
TBI4717-50MG	50 mg

Product Details

Formal Name: 3,6-Dichlorobenzo[b]thiophene-2-carboxylic acid

Molecular Formula: C₉H₄Cl₂O₂S

Formula Weight: 247.10

CAS Number: 34576-94-8

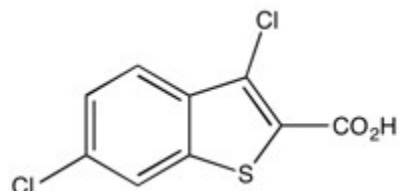
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to at least 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

BCKDC kinase inhibitor

Functions

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

Application Procedures

First dissolved in DMSO (up to at least 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.