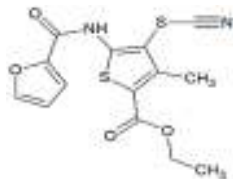


CBR-5884

ALTERNATE NAME: 5-[(2-furanylcarbonyl)amino]-3-methyl-4-thiocyanato-2-thiophenecarboxylic acid, ethyl ester

CATALOG #: B2543-5 5 mg
B2543-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₂N₂O₄S₂

MOLECULAR WEIGHT: 336.39

CAS NUMBER: 681159-27-3

APPEARANCE: Off-white solid

PURITY: ≥98%

SOLUBILITY: >30 mg/ml DMSO

DESCRIPTION: CBR-5884 is a potent and selective inhibitor of 3-phosphoglycerate dehydrogenase (PHGDH) (IC₅₀ = 33 μM) inhibiting serine synthesis from 3-phosphoglycerate in cells. CBR-5884 inhibits serine biosynthesis in cells with no effect on two other dehydrogenases, lactate dehydrogenase and MDH1 and without general cytotoxic effects up to 40 μM. CBR-5884 is selectively toxic to tumor cells with high serine synthesis activity.

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:

Phosphoglycerate Dehydrogenase (PHGDH) Activity Assay Kit (Colorimetric) (K569)

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