

Product Data Sheet

Product Name: LIBX-A401

Cat. No.: GC91949

Chemical Properties

Cas. No.

Chemical Name methyl (E)-3-(4-(2-(N-methylbenzamido)ethoxy)phenyl)acrylate

SMILES CN(C(C1=CC=CC=C1)=O)CCOC2=CC=C(/C=C/C(OC)=O)C=C2

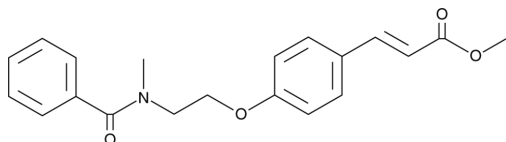
Formula C20H21NO4 M.Wt 339.4

Solubility Ethanol: Slightly soluble: 0.1-1 mg/ml Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

LIBX-A401 is an inhibitor of long-chain acyl-CoA synthetase 4 (ACSL4; $IC_{50} = 0.38 \mu M$).¹ It is selective for ACSL4 over ACSL3 ($IC_{50} = >50 \mu M$) and peroxisome proliferator-activated receptor γ (PPAR γ ; $IC_{50} = >10 \mu M$).

References:

[1]. Dorooee, D.M., Ravez, S., Vertommen, D., et al. LIBX-A401: A novel selective inhibitor of acyl-coa synthetase long chain family member 4 (ACSL4) and its binding mode ChemRxiv(2024).

Caution: Product has not been fully validated for medical applications. For research use only.

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