

Product Data Sheet

Product Name: CAY10464

Cat. No.: GC43159

Chemical Properties

Cas. No. 688348-37-0

SMILES COc1ccc(cc1)\C=C/c1cc(Cl)cc(Cl)c1

Formula C₁₅H₁₂Cl₂O

M.Wt 279.2

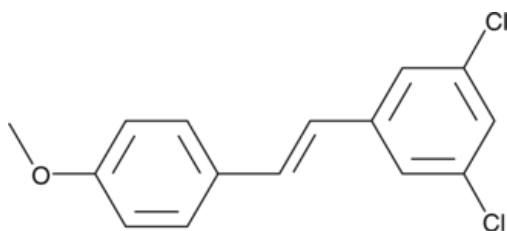
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2)(1:1): .5 mg/ml, Ethanol: 10 mg/ml

Storage Store at -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

The aryl hydrocarbon receptor (AhR) is a ligand-dependent intracellular transcription factor whose ligands include some of the most infamous xenobiotics, including dioxin (TCDD, 2,3,7,8-tetrachlorodibenzoparadioxin), benzo[a]pyrene, and numerous polyaromatic hydrocarbons from soot particles and coal tar. CAY10464 is a potent and selective AhR antagonist, with a K_i of 1.4 nM when tested in rabbit liver cytosol preparations. It is inactive as an estrogen receptor ligands even at 100 μ M.

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

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