

Product Data Sheet

Product Name: ADT-OH
Cat. No.: GC42742

Chemical Properties

Cas. No. 18274-81-2

SMILES OC1=CC=C(C2=CC(SS2)=S)C=C1

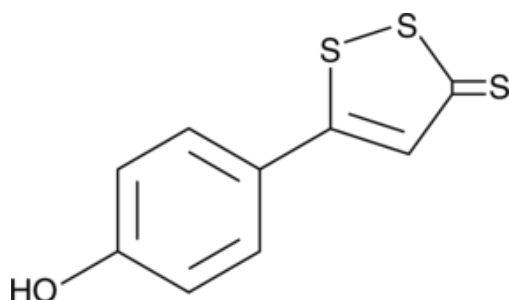
Formula C₉H₆OS₃ M.Wt 226.3

Solubility DMF: 15 mg/ml, DMF:PBS(pH 7.2) Storage Store at -20°C
(1:1): 0.5 mg/ml, DMSO: 5 mg/ml, Ethanol: 1 mg/ml

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

ADT-OH is a derivative of anethole dithiolethione (ADT) and synthetic hydrogen sulfide (H₂S) donor. It can be readily esterified with other moieties. For example, it can be coupled with therapeutics like nonsteroidal anti-inflammatory drugs, as in the generation of ATB-343. ADT-OH has also been linked with a mitochondria-targeting motif to produce AP-39, which selectively increases mitochondrial H₂S levels. ADT-OH is used both in cells and in animals for comparative studies with derived chimeras.

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

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