Data Sheet (Cat.No.T40720)

TargetMol

7,8,9,10-Tetrahydrobenzo[pqr]tetraphen-7-ol

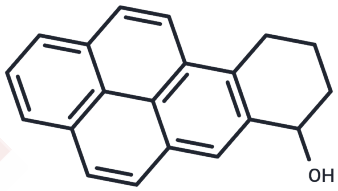
Chemical Properties

CAS No. : 6272-55-5

Formula: C20H16O

Molecular Weight: 272.34

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	7,8,9,10-Tetrahydrobenzo[a]pyren-7-ol, a benzopyrene derivative, undergoes activation by hepatic cytosol to yield electrophilic sulfuric acid esters. These esters possess the capability to form covalent DNA adducts and hence induce mutations.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6719 mL	18.3594 mL	36.7188 mL
5 mM	0.7344 mL	3.6719 mL	7.3438 mL
10 mM	0.3672 mL	1.8359 mL	3.6719 mL
50 mM	0.0734 mL	0.3672 mL	0.7344 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Glatt H, Pauly K, Frank H, Seidel A, Oesch F, Harvey RG, Werle-Schneider G. Substance-dependent sex differences in the activation of benzylic alcohols to mutagens by hepatic sulfotransferases of the rat. Carcinogenesis. 1994 Nov;15(11):2605-11.

Surh YJ, Tannenbaum SR. Sulfotransferase-mediated activation of 7,8,9,10-tetrahydro-7-ol, 7,8-dihydrodiol, and 7,8,9,10-tetraol derivatives of benzo[a]pyrene. Chem Res Toxicol. 1995 Jul-Aug;8(5):693-8.

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