TBHBA

Cat. No.: HY-15929

CAS No.: 14348-40-4

Molecular Formula: $C_7H_3Br_3O_3$

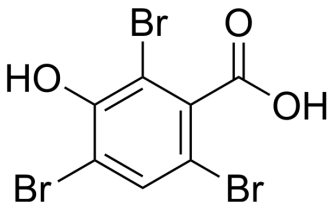
Molecular Weight: 374.81

Target: Biochemical Assay Reagents

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (266.80 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6680 mL	13.3401 mL	26.6802 mL
	5 mM	0.5336 mL	2.6680 mL	5.3360 mL
	10 mM	0.2668 mL	1.3340 mL	2.6680 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.67 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.67 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.67 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

The Boehringer Mannheim cholesterol esterase/cholesterol oxidase/peroxidase/3,4-dichlorophenol kinetic reagent was modified by the inclusion of TBHBA (2,4,6-Tribromo-3-hydroxybenzoic acid) which reacts with hydrogen peroxide and 4-aminophenazone to produce a quinone-imine dye with a greater molar absorptivity than that produced with phenol.

REFERENCES

[1]. Moshides JS. Kinetic enzymatic method for automated determination of HDL cholesterol in plasma. J Clin Chem Clin Biochem. 1987 Sep;25(9):583-7.

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