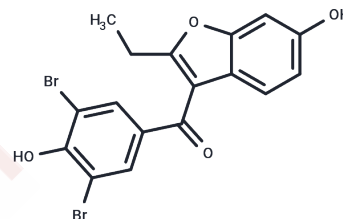


6-Hydroxybenzbromarone

Chemical Properties

CAS No. :	152831-00-0
Formula:	C17H12Br2O4
Molecular Weight:	440.08
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	6-Hydroxybenzbromarone is the major metabolite of Benzbromarone. 6-Hydroxybenzbromarone is a protein Eyes Absent 3 (EYA3) inhibitor (IC50: 21.5 μ M). It is an angiogenic agent, has strong inhibitory effects on cell migration, tubulogenesis, and angiogenic sprouting.
Targets(IC50)	Others,Drug Metabolite,Phosphatase
In vitro	6-Hydroxybenzbromarone (7.5 μ M; 72 hours) reduces cell proliferation by over 50%. Simultaneously, BBR and BZ treatments decrease cell viability, while other compounds tested do not affect cell viability or proliferation. 6-Hydroxybenzbromarone (7.5 μ M; 1-20 hours) inhibits EC migration and tubulogenesis in HUVECs, but its impact on tube formation diminishes with high concentrations of fetal bovine serum (FBS), likely due to non-specific protein binding.
Cell Research	Cell Line: HUVEC cells. Concentration: 7.5 μ M. Incubation Time: 72 hours

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2723 mL	11.3616 mL	22.7231 mL
5 mM	0.4545 mL	2.2723 mL	4.5446 mL
10 mM	0.2272 mL	1.1362 mL	2.2723 mL
50 mM	0.0454 mL	0.2272 mL	0.4545 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

Pandey RN, et al. Structure-activity relationships of benzbromarone metabolites and derivatives as EYA inhibitory anti-angiogenic agents. PLoS One. 2013 Dec 18;8(12):e84582.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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