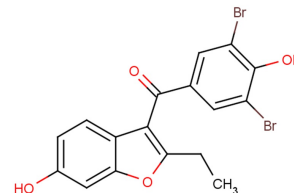


## 6-Hydroxybenzbromarone

## Chemical Properties

CAS No.:	152831-00-0
Formula:	C <sub>17</sub> H <sub>12</sub> Br <sub>2</sub> O <sub>4</sub>
Molecular Weight:	440.08
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	6-Hydroxybenzbromarone is the major metabolite of Benzbromarone. 6-Hydroxybenzbromarone is a protein Eyes Absent 3 (EYA3) inhibitor (IC <sub>50</sub> : 21.5 $\mu$ M). It is an angiogenic agent, has strong inhibitory effects on cell migration, tubulogenesis, and angiogenic sprouting.
Targets(IC <sub>50</sub> )	EYA3: 21.5 $\mu$ M
In vitro	6-Hydroxybenzbromarone (7.5 $\mu$ M; 72 hours) shows an over 50% reduction in cell proliferation. Meanwhile, treatment with BBR and BZ also reduces cell viability, but none of the other compounds tested has a negative impact on cell viability or proliferation. 6-Hydroxybenzbromarone (7.5 $\mu$ M; 1-20 hours) has inhibitory effects EC migration tubulogenesis of HUVECs. However, the effect of 6OH-BBR on tube formation is attenuated in the presence of high concentrations of fetal bovine serum (FBS), likely reflecting non-specific protein binding.
Cell Research	Cell Line: HUVEC cells Concentration: 7.5 $\mu$ M Incubation Time: 72 hours
Animal Research	

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.272 mL	11.362 mL	22.723 mL
5 mM	0.454 mL	2.272 mL	4.545 mL
10 mM	0.227 mL	1.136 mL	2.272 mL
50 mM	0.045 mL	0.227 mL	0.454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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