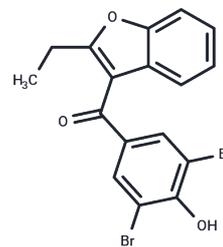


## Benzbromarone

### Chemical Properties

CAS No. :	3562-84-3
Formula:	C17H12Br2O3
Molecular Weight:	424.08
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	Benzbromarone (Desuric) is a CYP2C9 inhibitor with Ki value of 19.3 nM.
Targets(IC50)	Apoptosis,P450,Xanthine Oxidase
In vivo	In oocytes expressing URAT1 (IC50 <0.1 μM), Benzbromarone (50 μM) completely inhibited the uptake of uric acid. In rat hepatocytes, Benzbromarone (100 μM) increased mitochondrial size and induced apoptosis in 11% of cells.

### Solubility Information

Solubility	Ethanol: 9 mg/mL (21.22 mM), DMSO: 79 mg/mL (186.3 mM), H2O: < 1 mg/mL (insoluble or slightly soluble), &lt; 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.358 mL	11.7902 mL	23.5805 mL
5 mM	0.4716 mL	2.358 mL	4.7161 mL
10 mM	0.2358 mL	1.179 mL	2.358 mL
50 mM	0.0472 mL	0.2358 mL	0.4716 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.

### Reference

Xu W, Liang M, Su W, et al. Self-assembled nanocapsules of celery (*Apium graveolens* Linn) seed oil: Mechanochemical preparation, characterization and urate-lowering activity. *Journal of Drug Delivery Science and*

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