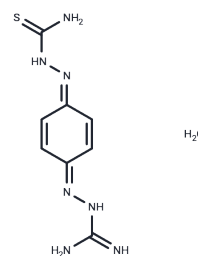


Ambazone hydrate

Chemical Properties

CAS No. :	6011-12-7
Formula:	C ₈ H ₁₃ N ₇ O ₅
Molecular Weight:	255.30
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	Ambazone hydrate has anti-cancer activity.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.917 mL	19.5848 mL	39.1696 mL
5 mM	0.7834 mL	3.917 mL	7.8339 mL
10 mM	0.3917 mL	1.9585 mL	3.917 mL
50 mM	0.0783 mL	0.3917 mL	0.7834 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

- Muresan-Pop M, Braga D, Pop MM, Borodi G, Kacso I, Maini L. Crystal structure and physicochemical characterization of ambazone monohydrate, anhydrous, and acetate salt solvate. *J Pharm Sci.* 2014 Nov;103(11):3594-3601. doi: 10.1002/jps.24151. Epub 2014 Sep 3. PubMed PMID: 25187325.
- Choi J, Jee JG. Repositioning of Thiourea-Containing Drugs as Tyrosinase Inhibitors. *Int J Mol Sci.* 2015 Dec 2;16(12):28534-48. doi: 10.3390/ijms161226114. PubMed PMID: 26633377; PubMed Central PMCID: PMC4691061.
- Gutsche W, Härtl A, Baumgart J, Schulze W. [Antineoplastic activity and toxicity of dihydroambazone in comparison with ambazone (1,4-benzoquinone-guanylhydrazone-thiosemicarbazone)]. *Pharmazie.* 1990 Jan;45(1):55-7. German. PubMed PMID: 2333315.
- Amlacher R, Kühnel HJ, Niemann G, Schulze W. Pharmacokinetics of 14C-ambazone (1,4-benzochinone-guanylhydrazone-14C-thiosemicarbazone) in B6D2F1 mice. *Pharmazie.* 1986 Feb;41(2):155. PubMed PMID: 3725860.

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