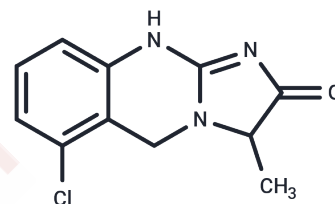


## Dazonone

## Chemical Properties

CAS No. :	105622-85-3
Formula:	C <sub>11</sub> H <sub>10</sub> ClN <sub>3</sub> O
Molecular Weight:	235.67
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	Dazonone (Imidazo[2,1-b]quinazolin-2(3H)-one, 6-chloro-1,5-dihydro-3-methyl-) is a specific PDE III inhibitors.
Targets(IC50)	PDE

## Solubility Information

Solubility	DMSO: 5 mg/mL (21.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2432 mL	21.2161 mL	42.4322 mL
5 mM	0.8486 mL	4.2432 mL	8.4864 mL
10 mM	0.4243 mL	2.1216 mL	4.2432 mL
50 mM	0.0849 mL	0.4243 mL	0.8486 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

Apaya RP, Lucchese B, Price SL, Vinter JG. The matching of electrostatic extrema: a useful method in drug design? A study of phosphodiesterase III inhibitors. J Comput Aided Mol Des. 1995 Feb;9(1):33-43. doi: 10.1007/BF00117276. PMID: 7751868.

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