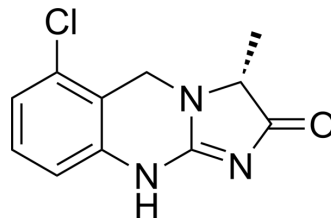


## Quazinone

Cat. No.:	HY-106477
CAS No.:	70018-51-8
Molecular Formula:	C <sub>11</sub> H <sub>10</sub> ClN <sub>3</sub> O
Molecular Weight:	235.67
Target:	Phosphodiesterase (PDE); MAPKAPK2 (MK2)
Pathway:	Metabolic Enzyme/Protease; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Quazinone is a selective inhibitor of cGMP-inhibited-phosphodiesterase (cGI-PDE, PDE3). Quazinone inhibits the phosphorylation of p42/p44 MAP kinase. Quazinone possesses antimitogenic effect [1].

### REFERENCES

- [1]. A Taher, et al. Characterization of cyclic nucleotide phosphodiesterase isoenzymes in the human ureter and their functional role in vitro. *World J Urol.* 1994;12(5):286-91.
- [2]. M T Osinski, et al. Inhibition of platelet-derived growth factor-induced mitogenesis by phosphodiesterase 3 inhibitors: role of protein kinase A in vascular smooth muscle cell mitogenesis. *Biochem Pharmacol.* 2000 Aug 1;60(3):381-7.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA