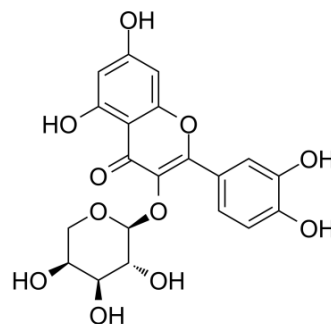


Guaijaverin

Cat. No.:	HY-N2224
CAS No.:	22255-13-6
Molecular Formula:	C ₂₀ H ₁₈ O ₁₁
Molecular Weight:	434.35
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Guaijaverin is a urease inhibitor with an IC ₅₀ of 120 μM. Guaijaverin shows antioxidant and anti-Streptococcus mutans activities ^{[1][2][3]} .
IC ₅₀ & Target	IC ₅₀ : 120 μM (Urease) ^[1]
In Vitro	Guaijaverin has anti-Strep.mutans activity, with MIC values of 4 and 2 mg/ml for MTCC 1943 and CLSM 001 strain of Strep. mutans, respectively ^[3] .

REFERENCES

- [1]. Shabana S, et al. Inhibitory activity against urease of quercetin glycosides isolated from *Allium cepa* and *Psidium guajava*. *Biosci Biotechnol Biochem.* 2010;74(4):878-80.
- [2]. Caruso IP, et al. Exploring the binding mechanism of Guaijaverin to human serum albumin: fluorescencespectroscopy and computational approach. *Spectrochim Acta A Mol Biomol Spectrosc.* 2012 Nov;97:449-55.
- [3]. Prabu GR, et al. Guaijaverin -- a plant flavonoid as potential antiplaque agent against *Streptococcus mutans*. *J Appl Microbiol.* 2006 Aug;101(2):487-95.

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