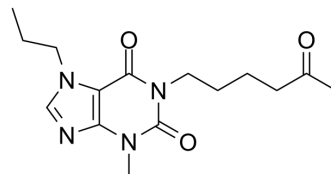


## Propentofylline

Cat. No.:	HY-107203
CAS No.:	55242-55-2
Molecular Formula:	C <sub>15</sub> H <sub>22</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	306.36
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Propentofylline is a xanthine-derivative that inhibits adenosine uptake and blocks phosphodiesterase activity. Propentofylline has neuroprotective, antiproliferative, and anti-inflammatory effects that improve cognition and dementia severity in patients with Alzheimer's disease or vascular dementia.

### REFERENCES

- [1]. Hudlicka O, Komarek J, Wright AJ. The effect of a xanthine derivative, 1-(5' oxohexyl)-3-methyl-7-propylxanthine (HWA 285), on heart performance and regional blood flow in dogs and rabbits. *Br J Pharmacol.* 1981;72(4):723-730.
- [2]. Sweitzer S, De Leo J. Propentofylline: glial modulation, neuroprotection, and alleviation of chronic pain. *Handb Exp Pharmacol.* 2011;(200):235-250.

**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](mailto:tech@MedChemExpress.com)

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