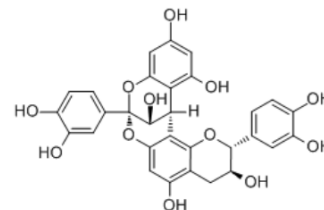


## Procyanidin A1

Cat. No.:	HY-N2344
CAS No.:	103883-03-0
Molecular Formula:	C <sub>30</sub> H <sub>24</sub> O <sub>12</sub>
Molecular Weight:	576.5
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Procyanidin A1 (Proanthocyanidin A1) is a procyanidin dimer, which inhibits degranulation downstream of protein kinase C activation or Ca <sup>2+</sup> influx from an internal store in RBL-213 cells. Procyanidin A1 has antiallergic effects <sup>[1]</sup> .
<b>In Vivo</b>	Procyanidin A1 suppress serum IgE and IgG1 levels in mice-immunized with ovalbumin <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Tomochika K, et al. Effects of peanut-skin procyanidin A1 on degranulation of RBL-2H3 cells. *Biosci Biotechnol Biochem.* 2011;75(9):1644-8.
- [2]. Takano F, et al. Aqueous extract of peanut skin and its main constituent procyanidin A1 suppress serum IgE and IgG1 levels in mice-immunized with ovalbumin. *Biol Pharm Bull.* 2007 May;30(5):922-7.

**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