



# SZABO SCANDIC

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### SZABO-SCANDIC HandelsgmbH

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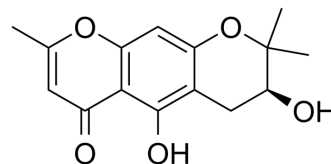
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## Hamaudol

<b>Cat. No.:</b>	HY-N6891
<b>CAS No.:</b>	735-46-6
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>16</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	276.28
<b>Target:</b>	COX
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Hamaudol is a chromone isolated from <i>Saposhnikovia divaricata</i> . Hamaudol shows significant inhibitory activity on cyclooxygenase (COX)-1 and COX-2 activities with IC <sub>50</sub> values of 0.30, 0.57 mM, respectively, and has potent analgesia and anti-inflammatory effects <sup>[1][2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	COX-1 0.3 mM (IC <sub>50</sub> )	COX-2 0.57 mM (IC <sub>50</sub> )
<b>In Vivo</b>	Hamaudol (Compound 7) increases the potency to exhibit a potent analgesia at doses of 1, 5 and 10 mg/kg in mice, although it do not show clear dose dependency <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

- [1]. Okuyama E, et al. Analgesic components of saposhnikovia root (*Saposhnikovia divaricata*). Chem Pharm Bull (Tokyo). 2001 Feb;49(2):154-60.
- [2]. Mingshan Zheng, et al. The Constituents Isolated from *Peucedanum japonicum* Thunb. and their Cyclooxygenase (COX) Inhibitory Activity. Korean Journal of Medicinal Crop Science, 2005, 13(2).

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

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