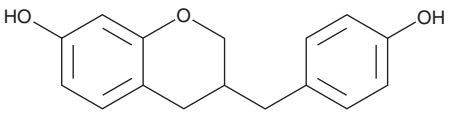
PRODUCT INFORMATION

7,4'-Dihydroxyhomoisoflavane

Item No. 46342

CAS Registry No.:	148462-00-4
Formal Name:	3,4-dihydro-3-[(4-hydroxyphenyl)methyl]-2H-1-benzopyran-7-ol
Synonym:	7-Hydroxy-3-(4-hydroxybenzyl)chroman
MF:	$C_{16}H_{16}O_3$
FW:	256.3
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Plant/*Resina Draconis*



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

7,4'-Dihydroxyhomoisoflavane is supplied as a solid. A stock solution may be made by dissolving the 7,4'-dihydroxyhomoisoflavane in the solvent of choice, which should be purged with an inert gas. 7,4'-Dihydroxyhomoisoflavane is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

7,4'-Dihydroxyhomoisoflavane is a flavonoid that has been found in *D. cambodiana* and has diverse biological activities.[1,2] It induces neurite outgrowth in PC12 cells at 50 µg/ml and inhibits proteasomal chymotrypsin-like activity in a cell-free assay (IC_{50} = 60 µg/ml).[2] It also scavenges ABTS (Item No. 27317) radicals in a cell-free assay.[1]

References

1. Luo, Y., Wang, H., Xu, X., *et al.* Antioxidant phenolic compounds of *Dracaena Cambodiana*. *Molecules* **15(12)**, 8904-8914 (2010).
2. Tsukamoto, S., Wakana, T., Koimaru, K., *et al.* 7-hydroxy-3-(4-hydroxybenzyl)chroman and broussonin b: Neurotrophic compounds, isolated from *Anemarrhena asphodeloides* BUNGE, function as proteasome inhibitors. *Biol. Pharm. Bull.* **28(9)**, 1798-1800 (2005).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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