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DATASHEET

Myricetin

Product overview

Name	Myricetin
Cat No	HB0434
Purity	>98%
Description	Antioxidant flavonoid

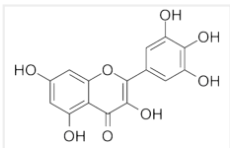
Biological Data

Biological description	Antioxidant flavonoid. Potentiates the cytotoxicity of natural killer cells. Shows a calcium channel/CaMK-II dependent modulation of GABA _A receptor activity. Shows protective effects against diabetic nephrotoxicity, increases insulin signalling molecules and normalises carbohydrate metabolism products.
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Solubility & Handling

Solubility overview	Soluble in ethanol (1mg/ml) or DMSO (5mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3,3',4',5,5',7-Hexahydroxyflavone
Molecular Weight	318.24
Chemical structure	
Molecular Formula	C ₁₅ H ₁₀ O ₈
CAS Number	529-44-2
PubChem identifier	5281672
SMILES	<chem>C1=C(C=C(C(=C1O)O)O)C2=C(C(=O)C3=C(C=C(C(=C3O2)O)O)O)O</chem>

References

Potentiation of natural killer cell activity with myricetin.

Lindqvist C *et al* (2014) Anticancer Res 34(8)
PubMedID [25075019](#)

Protective effect of bioflavonoid myricetin enhances carbohydrate metabolic enzymes and insulin signaling molecules in streptozotocin-cadmium induced diabetic nephrotoxic rats.

Kandasamy N *et al* (2014) Toxicol Appl Pharmacol 279(2)
PubMedID [24923654](#)

