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## DATASHEET

Myricetin

### Product overview

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

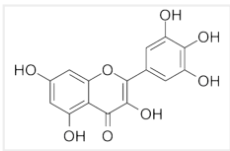
### Biological Data

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

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

### Chemical Data

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

### 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](#)

