

Dihydroresveratrol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Dihydroresveratrol

Catalog No.: CFN98987

Cas No.: 58436-28-5

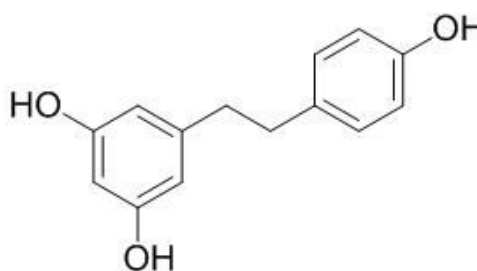
Purity: > 95%

M.F: C₁₄H₁₄O₃

M.W: 230.3

Physical Description: Powder

Synonyms: 5-[2-(4-hydroxyphenyl)ethyl]benzene-1,3-diol; 3,4',5-Trihydroxybibenzyl; 3',4,5'-trihydroxydihydrostilbene.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The roots of *Dioscorea bulbifera*.

[Biological Activity or Inhibitors]

Dihydro-resveratrol has inhibition in pancreatic oxidative damage, it has therapeutic potential for the management of acute pancreatitis, particularly for patients unresponsive to trans-resveratrol due to the lack of proper microbial strains.^[1]

Dihydro-resveratrol can ameliorate acute pancreatitis-associated lung injury via an inhibitory modulation of pro-inflammatory response, which is associated with a suppression of the NF- κ B signaling pathway.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: Methanol ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 276 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Tsang S W, Guan Y F, Wang J, *et al. Sci. Rep.*,2016; 6: 22859.

[2] Lin Z S, Ku C F, Guan Y F, *et al. Phytother. Res. :PTR* ,2016, 30(4):663-70.

[3] Juan M E, Alfaro I, Planas J M. *J. Agr. Food Chem.*, 2010, 58(12):7472-5.

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