

Product Name	: Neohesperidin
Synonyms	: Neohesperidin; Hesperetin 7-Neohesperidoside; NSC 31048
Cat No.	: M17949
CAS Number	: 13241-33-3
Molecular Formula	: C ₂₈ H ₃₄ O ₁₅
Formula Weight	: 610.56
Chemical Name	: (S)-7-(((2S,3R,4S,5S,6R)-4,5-dihydroxy-6-(hydroxymethyl)-3-(((2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)oxy)-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)chroman-4-one
Description	Neohesperidin is a flavonoid found in citrus fruit peel that has diverse biological activities. Neohesperidin Exerts Lipid-Regulating Effects in vitro and in vivo via Fibroblast Growth Factor 21 and AMP-Activated Protein Kinase/Sirtuin Type 1/Peroxisome Proliferator-Activated Receptor Gamma Coactivator 1α Signaling Axis. Neohesperidin suppresses osteoclast differentiation, bone resorption and ovariectomised-induced osteoporosis in mice.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO : ≥ 30 mg/mL; 49.14 mM
SMILES	: <chem>C[C@H]1[C@@H]([C@H]([C@@H](O)[C@@H](O1)O[C@@H]1[C@@H](O)[C@H](O)[C@@H](CO)O[C@H]1Oc1cc2O[C@@H](CC(=O)c2c(c1)O)c1ccc(c(c1)O)OC)O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lee JH, et al. PhytOthers Res, 2009, 23(12), 1748-1753.

