

Product Information

Orientin

Cat. No.: X23-04-XQ402

Size: 20 mg; 50 mg; 100 mg; 200 mg; 500 mg; 1 g

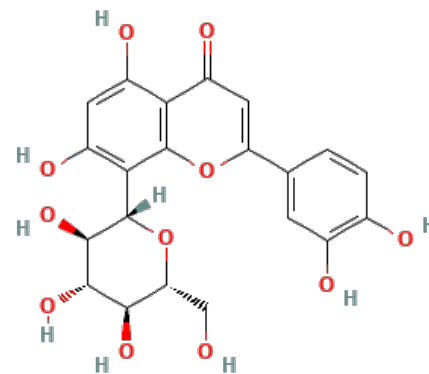
MDL: MFCD00017432

CAS Number: 28608-75-5

Compound CID: 5281675

Synonym: 28608-75-5; Orientin; Lutexin; Orientine; Luteolin-8-glucoside; 8-beta-D-Glucosylluteolin; Luteolin 8-glucoside

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Orientin is a C-glycosyl compound that is luteolin substituted by a beta-D-glucopyranosyl moiety at position 8.
Molecular Weight	448.38
Molecular Formula	C ₂₁ H ₂₀ O ₁₁
IUPAC Name	2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-8-[(2S,3R,4R,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]chromen-4-one
InChI	InChI=1S/C21H20O11/c22-6-14-17(28)18(29)19(30)21(32-14)16-11(26)4-10(25)15-12(27)5-13(31-20(15)16)7-1-2-8(23)9(24)3-7/h1-5,14,17-19,21-26,28-30H,6H2/t14-,17-,18+,19-,21+/m1/s1
InChI Key	PLAPMLGJVGLZOV-VPRICQMDSA-N
Canonical SMILES	C1=CC(=C(C=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O)O
Isomeric SMILES	C1=CC(=C(C=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)[C@@H]4[C@@H]([C@H]([C@@H]([C@H]([C@H](O4)CO)O)O)O)O)O)O
Source	<i>Ranunculaceae trollflower</i>
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Orientin can be used for the study of protective effect on hypoxia-reoxygenation cardiomyocyte injury, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
