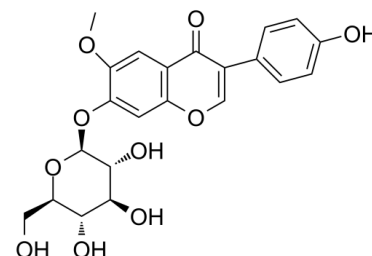


Data Sheet

Product Name:	Glycitin
Cat. No.:	CS-4239
CAS No.:	40246-10-4
Molecular Formula:	C ₂₂ H ₂₂ O ₁₀
Molecular Weight:	446.40
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 38 mg/mL (85.13 mM)



BIOLOGICAL ACTIVITY:

Glycitin is a natural isoflavone isolated from legumes; promotes the proliferation of bone marrow stromal cells and osteoblasts and suppresses bone turnover.

References:

- [1]. Uesugi T, et al. Comparative study on reduction of bone loss and lipid metabolism abnormality in ovariectomized rats by soy isoflavones, daidzin, genistin, and glycitin. Biol Pharm Bull. 2001 Apr;24(4):368-72.
- [2]. Li XH, et al. Effect of daidzin, genistin, and glycitin on osteogenic and adipogenic differentiation of bone marrow stromal cells and adipocytic transdifferentiation of osteoblasts. Acta Pharmacol Sin. 2005 Sep;26(9):1081-6.

CAIndexNames:

4H-1-Benzopyran-4-one, 7-(β-D-glucopyranosyloxy)-3-(4-hydroxyphenyl)-6-methoxy-

SMILES:

O[C@H]1[C@H](O)[C@@H](CO)O[C@@H](OC2=CC(OC=C(C3=CC=C(O)C=C3)C4=O)=C4C=C2OC)[C@@H]1O

Caution: Product has not been fully validated for medical applications. For research use only.

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