

Product Information

Pectolarin

Cat. No.: X23-04-XQ410

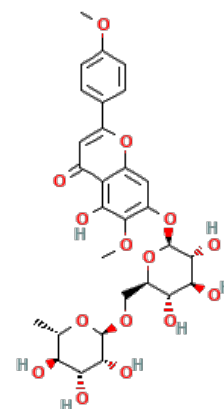
Size: 20 mg; 50 mg; 100 mg; 200 mg

CAS Number: 28978-02-1

Compound CID: 168849

Synonym: 28978-02-1; Pectolarin; Pectolarinose

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



Product Information

Description	Pectolarin is a Cirsium isolate with anti-inflammatory activity and similar in chemical structure to linarin.
Molecular Weight	622.57
Molecular Formula	C ₂₉ H ₃₄ O ₁₅
IUPAC Name	5-Hydroxy-6-methoxy-2-(4-methoxyphenyl)-7-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-[[[(2R,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methoxyoxan-2-yl]oxymethyl]oxan-2-yl]oxychromen-4-one
InChI	InChI=1S/C29H34O15/c1-11-20(31)23(34)25(36)28(41-11)40-10-18-21(32)24(35)26(37)29(44-18)43-17-9-16-19(22(33)27(17)39-3)14(30)8-15(42-16)12-4-6-13(38-2)7-5-12/h4-9,11,18,20-21,23-26,28-29,31-37H,10H2,1-3H3/t11-,18+,20-,21+,23+,24-,25+,26+,28+,29+/m0/s1
InChI Key	DUXQKCCCELUXOE-CBBZIXHGSA-N
Canonical SMILES	CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=C(C(=C4C(=C3)OC(=CC4=O)C5=CC=C(C=C5)OC)O)OC)O)O)O)O)O)O
Isomeric SMILES	C [C @H] 1[C@@H]([C@H]([C@H]([C @@H](O1)OC[C@@H]2[C@H]([C@ @H]([C@H]([C@@H](O2)OC3=C(C(=C4C(=C3)OC(=CC4=O)C5=CC=C(C=C5)OC)O)OC)O)O)O)O)O
Source	The dry aboveground part or root of <i>Cirsium japonicum</i> DC.



Form	White powder
Purity	>98%, determined by HPLC.
Solubility	It is easily soluble in chloroform-methanol mixed solvent and pyridine.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	254-255°C
Applications	Pectolinarin can be used for epistaxis, hematemesis, hematuria, hematochezia, metrorrhagia, traumatic hemorrhage, carbuncle and sore, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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