



Retusin

Cat. No.:	OB0225WX-1908
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg

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

Product Overview

Description	Retusin is a natural flavonoid derivative originally isolated from the leaves of <i>Talinum triangulare</i> .
Synonym	5-Hydroxy-3,7,3',4'-tetramethoxyflavone; Quercetin-3,7,3',4'-tetramethyl ether; 1245-15-4; Quercetin-3,7,3',4'-tetramethyl ether; Quercetin 3,7,3',4'-tetramethyl ether; 2-(3,4-dimethoxyphenyl)-5-hydroxy-3,7-dimethoxychromen-4-one; 5-hydroxy-3,7,3',4'-tetramethoxyflavone; Quercetin 3,3',4',7-O-tetramethyl ether; 3,3',4',7-Tetramethylquercetin; Flavone, 5-hydroxy-3,3',4',7-tetramethoxy-; 2-(3,4-Dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-4H-chromen-4-one; 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-; 5-Hydroxy-3,3',4',7-tetramethoxyflavone; 3,7,3',4'-tetramethylquercetin; 2-(3,4-Dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-4-benzopyrone; Quercetin tetramethylether; Quercetin-3,3',4',7-tetramethylether; 2-(3,4-dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-chromen-4-one; 2-(3,4-Dimethoxy-phenyl)-5-hydroxy-3,7-dimethoxy-chromen-4-one; 4H-1-Benzopyran-4-one,4-dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-; 2-(3,4-Dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-4H-1-benzopyran-4-one; 2-(3,4-Dimethoxyphenyl)-5-hydroxy-3,7-dimethoxy-4H-chromen-4-one #
CAS No.	1245-15-4
Compound CID	5352005
Formula	C ₁₉ H ₁₈ O ₇
Formula Weight	358.34

Specification



Relative Density	1.36 g/cm ³
IUPAC Name	2-(3,4-Dimethoxyphenyl)-5-hydroxy-3,7-dimethoxychromen-4-one
InChI	InChI=1S/C19H18O7/c1-22-11-8-12(20)16-15(9-11)26-18(19(25-4)17(16)21)10-5-6-13(23-2)14(7-10)24-3/h5-9,20H,1-4H3
InChI Key	HHGPYJLEJGNWJA-UHFFFAOYSA-N
SMILES string	<chem>COC1=C(C=C(C=C1)C2=C(C(=O)C3=C(C=C(C=C3O2)OC)O)OC)OC</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Retusin is used in phytochemical studies as a methoxylated flavonoid to study its biological efficacy in reducing inflammation and its interaction with specific metabolic enzymes.

Library Information

Target	Tyrosinase; ATPase; Free radical scavengers
Receptor	Tyrosinase; ATP; Free radical scavengers
Pathways	Proteases/Proteasome; Oxidation-reduction; Membrane transporter/Ion channel
Plate Number	AOCL-25
Plate Location	d10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	20 mg/mL; 55.8 mM