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DATASHEET

Isoliquiritigenin

Product overview

Name	Isoliquiritigenin
Cat No	HB4213
Alternative names	4,2',4'-Trihydroxychalcone
Biological action	Inhibitor
Purity	>98%
Description	Flavonoid with many biological actions

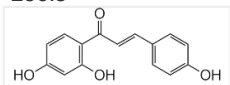
Biological Data

Biological description	Flavonoid with many biological actions. Also acts as a GABA _A positive allosteric modulator and NLRP3 inflammasome activation inhibitor
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (75 mM), and in ethanol (20 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(E)-1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)prop-2-en-1-one
Molecular Weight	256.3
Chemical structure	
Molecular Formula	C ₁₅ H ₁₂ O ₄
CAS Number	961-29-5
PubChem identifier	638278
SMILES	C1=CC(=CC=C1/C=C/C(=O)C2=C(C=C(C=C2)O)O)O
InChi	InChI=1S/C15H12O4/c16-11-4-1-10(2-5-11)3-8-14(18)13-7-6-12(17)9-15(13)19/h1-9,16-17,19H/b8-3+
InChiKey	DXDRHHKMWQZJHT-FPYGCLRLSA-N
MDL number	MFCD00075907
Appearance	Yellow solid

References

Phytochemical and Pharmacological Role of Liquiritigenin and Isoliquiritigenin From Radix Glycyrrhizae in Human Health and Disease Models

Ramalingam et al (2018) Front Aging Neurosci 10

PubMedID [30443212](#)

A Review: The Pharmacology of Isoliquiritigenin

Peng et al (2015) Phytother Res. 29(7)

PubMedID

[25907962](#)
