



Brazilin

Cat. No.:	OB0225LY-0346
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR and HPLC.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

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

Product Overview

Description	Brazilin is a natural product with antioxidant and anti-inflammatory properties.
Synonym	Natural eed 24; Braziletto; Brasilin; Superbresiline; 474-07-7; (6aS,11b< i>R)-7,11b-Dihydro-6 <i>H</i> -indeno[2,1- <i>c</i>]chromene-3,6a,9,10-tetrol; (6a <i>S</i> ,11 <i>bR</i>)-7,11b-Dihydroindeno[2,1- <i>c</i>]chromene-3,6a,9,10(6 <i>H</i>)-tetrol ; 7,11b-Dihydrobenz(b)indeno(1,2- <i>d</i>)pyran-3,6a,9,10(6 <i>H</i>)-tetrol
CAS No.	474-07-7
Compound CID	73384
Formula	C ₁₆ H ₁₄ O ₅
Formula Weight	286.28

Specification

Relative Density	1.1924 g/cm ³
IUPAC Name	(6a <i>S</i> ,11 <i>bR</i>)-7,11b-Dihydro-6 <i>H</i> -indeno[2,1- <i>c</i>]chromene-3,6a,9,10 -tetrol
InChI	InChI=1S/C16H14O5/c17-9-1-2-10-14(4-9)21-7-16(20)6-8-3-12(18)13(19)5-11(8)15(10)16/h1-5,15,17-20H,6-7H2/t15-,16+/m0/s1
InChI Key	UWHUTZOCTZJUKC-JKSUJKDBSA-N
SMILES string	C1C2=CC(=C(C=C2[C@H]3[C@@]1(COC4=C3C=CC(=C4)O)O)O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.

**Applications**

Brazilin can be used in medicinal plant research to delve into its potential application in antioxidant and functional ingredients.

Library Information

Targets	AMPK
Pathways	Autophagy; Chromatin/Epigenetic; Apoptosis; PI3K/Akt/mTOR signaling
Plate Number	AOCL-5
Plate Location	d10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	52 mg/mL; 181.6 mM
Solubility	Soluble in chloroform, dichloromethane, ethyl acetate, acetone, etc.