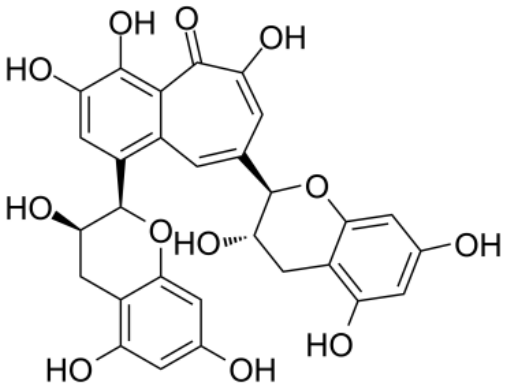
Product Data Sheet

Product Name: Isotheaflavin
Cat. No.: GC60954

Chemical Properties

Cas. No.	31701-93-6		
SMILES	O=C1C(O)=CC([C@@H]2[C@@H](O)CC3=C(O)C=C(O)C=C3O2)=CC4=C([C@@H]5[C@H](O)CC6=C(O)C=C(O)C=C6O5)C=C(O)C(O)=C41		
Formula	$C_{29}H_{24}O_{12}$	M.Wt	564.49
Solubility	DMSO : 100 mg/mL (177.15 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



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Background

Isotheaflavin is one of antioxidant polyphenols in black tea[1].

[1]. D.T.Coxon, et al. Isotheaflavin. A new black tea pigment. Tetrahedron Letters. Volume 11, Issue 60, 1970, Pages 5241-5246.

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