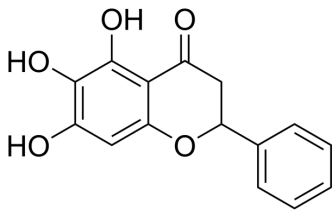
Dihydrobaicalein

Cat. No.:	HY-N8692
CAS No.:	35683-17-1
Molecular Formula:	$C_{15}H_{12}O_5$
Molecular Weight:	272.25
Target:	Polo-like Kinase (PLK)
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2.72 mg/mL (9.99 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6731 mL	18.3655 mL	36.7309 mL
	5 mM	0.7346 mL	3.6731 mL	7.3462 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Dihydrobaicalein is a PLK1 Inhibitor with an IC_{50} of 6.3 μM. Dihydrobaicalein also inhibits VRK2 and PLK2. Dihydrobaicalein is a natural product that can be isolated from Scutellaria scandens[1].
IC_{50} & Target	PLK1

REFERENCES

[1]. Woo SU, et al. 7-O-Methylwogonin from Scutellaria baicalensis Disturbs Mitotic Progression by Inhibiting Plk1 Activity in Hep3B Cells. Planta Med. 2019 Feb;85(3):217-224.

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

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