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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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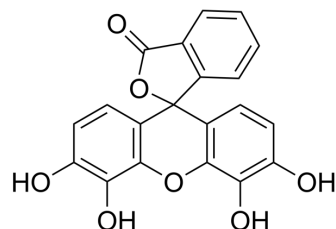
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Gallein

Cat. No.:	HY-D0254
CAS No.:	2103-64-2
Molecular Formula:	C ₂₀ H ₁₂ O ₇
Molecular Weight:	364.31
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (91.49 mM); ultrasonic and warming and heat to 80°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.7449 mL	13.7246 mL	27.4492 mL
		5 mM	0.5490 mL	2.7449 mL	5.4898 mL
		10 mM	0.2745 mL	1.3725 mL	2.7449 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.86 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.86 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Gallein is a G protein βγ (Gβγ) subunit signalling inhibitor. Gallein disrupts the interaction of Gβγ subunits with the PI3Kγ. Anticancer agent ^[1] . Gallein used as a red dye, an acid-base indicator and as a detection reagent for phosphates ^[2] .
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CUSTOMER VALIDATION

- J Pineal Res. 2023 Oct 5:e12919.
- Pharmacol Res. 2023 Apr 3;106754.
- Front Immunol. 2021 Nov 24;12:786602.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sanz G, et al. Gallein, a G β γ subunit signalling inhibitor, inhibits metastatic spread of tumour cells expressing OR51E2 and exposed to its odorant ligand. BMC Res Notes. 2017 Oct 30;10(1):541.

[2]. Lillie RD, et al. Hematoxylin substitutes: gallein as a biological stain. Stain Technol. 1974 Nov;49(6):339-46.

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

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