



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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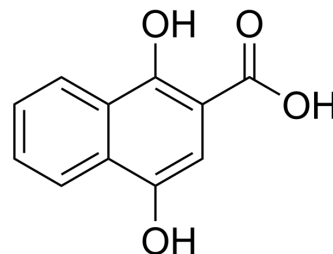
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1,4-Dihydroxy-2-naphthoic acid

Cat. No.:	HY-W014701
CAS No.:	31519-22-9
Molecular Formula:	C ₁₁ H ₈ O ₄
Molecular Weight:	204.18
Target:	Aryl Hydrocarbon Receptor
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 175 mg/mL (857.09 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.8976 mL	24.4882 mL	48.9764 mL
	5 mM		0.9795 mL	4.8976 mL	9.7953 mL
	10 mM		0.4898 mL	2.4488 mL	4.8976 mL

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

BIOLOGICAL ACTIVITY

Description

1,4-Dihydroxy-2-naphthoic acid is an aryl hydrocarbon receptor (AhR) agonist. 1,4-Dihydroxy-2-naphthoic acid is also a bacterially derived metabolite and has anti-inflammatory activity^[1].

REFERENCES

[1]. Cheng Y, et al. Editor's Highlight: Microbial-Derived 1,4-Dihydroxy-2-naphthoic Acid and Related Compounds as Aryl Hydrocarbon Receptor Agonists/Antagonists: Structure-Activity Relationships and Receptor Modeling. Toxicol Sci. 2017 Feb;155(2):458-473.

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

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