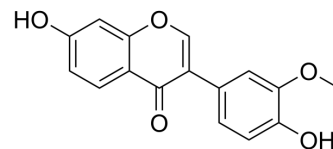


3'-Methoxydaidzein

Cat. No.:	HY-N1847	
CAS No.:	21913-98-4	
Molecular Formula:	C ₁₆ H ₁₂ O ₅	
Molecular Weight:	284.26	
Target:	Sodium Channel	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (70.36 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5179 mL	17.5895 mL	35.1791 mL
	5 mM	0.7036 mL	3.5179 mL	7.0358 mL
	10 mM	0.3518 mL	1.7590 mL	3.5179 mL

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

BIOLOGICAL ACTIVITY

Description

3'-Methoxydaidzein is a isoflavone and a Sodium Channel inhibitor. 3'-Methoxydaidzein inhibits subtypes Nav1.7, Nav1.8 and Nav1.3 with IC₅₀ of 181 nM, 397 nM, and 505 nM, respectively. 3'-Methoxydaidzein exerts analgesic activity by inhibiting voltage-gated sodium channels^[1].

IC₅₀ & Target

Nav1.3 505 nM (IC ₅₀)	Nav1.7 181 nM (IC ₅₀)	Nav1.8 397 nM (IC ₅₀)
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REFERENCES

[1]. Xu RJ, et al. 3'-Methoxydaidzein exerts analgesic activity by inhibiting voltage-gated sodium channels. Chin J Nat Med. 2019 Jun;17(6):413-423.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA