

Indolelactic acid

Chemical Properties

CAS No. :	1821-52-9
Formula:	C ₁₁ H ₁₁ NO ₃
Molecular Weight:	205.21
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	DL-Indole-3-lactic acid is a reactant for the preparation of antibacterial agents.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (121.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8731 mL	24.3653 mL	48.7306 mL
5 mM	0.9746 mL	4.8731 mL	9.7461 mL
10 mM	0.4873 mL	2.4365 mL	4.8731 mL
50 mM	0.0975 mL	0.4873 mL	0.9746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang F L, Chen X W, Wang Y F, et al. Microbiota-derived tryptophan metabolites indole-3-lactic acid is associated with intestinal ischemia/reperfusion injury via positive regulation of YAP and Nrf2. *Journal of Translational Medicine*. 2023, 21(1): 264.

Zhang F X, Chen X, Niu D C, et al. Chronic prostatitis/chronic pelvic pain syndrome induces metabolomic changes in expressed prostatic secretions and plasma. *Asian Journal of Andrology*. 2024: 10.4103.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481