MDL 29951
Item No. 16266

CAS Registry No.: 130798-51-5
Formal Name: 2-carboxy-4,6-dichloro-1H-indole-3-propanoic acid
MF: C_{12}H_9Cl_2NO_4
FW: 302.1
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ_{max} 309 nm

Laboratory Procedures

For long term storage, we suggest that MDL 29951 be stored as supplied at -20°C. It should be stable for at least two years.

MDL 29951 is supplied as a crystalline solid. A stock solution may be made by dissolving the MDL 29951 in the solvent of choice. MDL 29951 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of MDL 29951 in these solvents is approximately 0.25, 10, and 5 mg/ml, respectively.

MDL 29951 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, MDL 29951 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. MDL 29951 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO-PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

NMDA receptors are neuromodulators that have binding sites for glycine or D-serine as well as L-glutamate. MDL 29951 is an antagonist of NMDA receptors with high affinity for the glycine binding site (K_i = 140 nM). It is functional both in vitro and in vivo. MDL 29951 blocks NMDA receptor-dependent convulsions in audiogenic seizure-susceptible DBA/2J mice. It is used to evaluate the role of the glycine site of the NMDA receptor in neurological signaling.

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/16266

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent to our email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give such notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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