Ritalinic Acid
Item No. 15915

CAS Registry No.: 19395-41-6
Formal Name: α-phenyl-2-piperidineacetic acid
MF: C_{13}H_{17}NO_{2}
FW: 219.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

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

Ritalinic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the ritalinic acid in the solvent of choice. Ritalinic acid is soluble in methanol at a concentration of approximately 1 mg/ml.

Ritalinic acid is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Ritalinic acid is an inactive, major metabolite of methylphenidate (Item No. 11639), a schedule II drug in the United States commonly used as a psychostimulant for the treatment of attention-deficit hyperactivity disorder, also known as ADHD. Ritalinic acid is reported to reach plasma concentrations of 1-2 orders of magnitude greater than that of the parent drug and has been monitored in urine to ensure compliance with treatment programs. This product is intended for forensic and biological research purposes.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/15915

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 via 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. 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.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.