DOET
Item No. 11141

CAS Registry No.: 22004-32-6
Formal Name: 4-ethyl-2,5-dimethoxy-α-methyl-benzeneethanamine
MF: C_{13}H_{21}NO_{2}
FW: 223.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: \( \lambda_{\text{max}} \): 225, 291 nm

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

DOET is supplied as a crystalline solid. A stock solution may be made by dissolving the DOET in the solvent of choice.

DOET is soluble in organic solvents such as ethanol and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of DOET in ethanol is approximately 0.3 mg/ml and approximately 0.5 mg/ml in DMF.

DOET 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.

DOET is a potent, long-acting psychoactive drug of the phenethylamine and amphetamine chemical classes that, similar to other substituted amphetamines, likely acts as a serotonin 5-HT_{2} receptor partial agonist.1,2 This compound is classified as a Schedule I substance in the United States, and is intended only for research and forensic applications.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11141

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**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 your institution.

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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 herein. 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.

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