Methyl 5,6,7,8-Tetrahydro Risperidone
Item No. 17801

CAS Registry No.: 106266-08-4
Formal Name: 3-[2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl][ethyl]-2,7-dimethyl-4H-pyrido[1,2-a]pyrimidin-4-one
MF: C_{24}H_{25}FN_{4}O_{2}
FW: 420.5
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: \lambda_{max}: 259, 285, 345 nm

Laboratory Procedures

For long term storage, we suggest that methyl 5,6,7,8-tetrahydro risperidone be stored as supplied at -20°C. It should be stable for at least two years.

Methyl 5,6,7,8-tetrahydro risperidone is supplied as a crystalline solid. A stock solution may be made by dissolving the methyl 5,6,7,8-tetrahydro risperidone in the solvent of choice. Methyl 5,6,7,8-tetrahydro risperidone is soluble in organic solvents such as ethanol, DMG, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of methyl 5,6,7,8-tetrahydro risperidone in these solvents is approximately 0.25, 1, 0.1 mg/ml, respectively.

Methyl 5,6,7,8-tetrahydro risperidone is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, methyl 5,6,7,8-tetrahydro risperidone should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Methyl 5,6,7,8-tetrahydro risperidone has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Risperidone (Item No. 13629) is a benzisoxazole derivative used for treating schizophrenia, and also the psychotic, affective, or behavioral symptoms associated with other disorders. Methyl 5,6,7,8-tetrahydro risperidone is used as an internal standard used in the quantitative analysis of risperidone.3,4

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/17801

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 via email to your institution.

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