PRODUCT INFORMATION

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-piperidiny]ethyl]-2,7-dimethyl-4H-pyrido[1,2-a]pyrimidin-4-one
MF: C24H25FN4O2
FW: 420.5
Purity: ≥98%
UV/Vis.: λ_max: 259, 285, 345 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

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, which should be purged with an inert gas. Methyl 5,6,7,8-tetrahydro risperidone is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). 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.

Description

Risperidone (Item No. 13629) is a benzisoxazole derivative used for treating schizophrenia, and also the psychotic, affective, or behavioral symptoms associated with other disorders.1,2 Methyl 5,6,7,8-tetrahydro risperidone is used as an internal standard used in the quantitative analysis of risperidone.3,4

References