**PRODUCT INFORMATION**

**Desmethylene Paroxetine (hydrochloride)**  
*Item No. 15908*

**CAS Registry No.:** 1394861-12-1  
**Formal Name:** 4-[[3S,4R]-4-(4-fluorophenyl)-3-piperidinyl[ methoxy]-1,2-benzenediol, monohydrochloride  
**MF:** C$_{18}$H$_{20}$FNO$_3$ • HCl  
**FW:** 353.8  
**Purity:** ≥98%  
**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**

Desmethylene paroxetine (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the desmethylene paroxetine (hydrochloride) in the solvent of choice, which should be purged with an inert gas. Desmethylene paroxetine (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of desmethylene paroxetine (hydrochloride) in ethanol and DMSO is approximately 20 mg/ml and approximately 30 mg/ml in DMF.

**Description**

Paroxetine (Item No. 14998) is a potent, selective serotonin reuptake inhibitor ($K_i = 0.72$ nM) that has been used in cases of depression and anxiety disorder.$^{1-3}$ Desmethylene paroxetine is a major urinary metabolite of paroxetine.$^{4,5}$ This compound may be used in urine drug testing applications involving paroxetine toxicology or forensic analysis.

**References**