**PRODUCT INFORMATION**

**SKF 86466 (hydrochloride)**

*Item No. 11953*

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**CAS Registry No.:** 86129-54-6  
**Formal Name:** 6-chloro-2,3,4,5-tetrahydro-3-methyl-1H-3-benzazepine, monohydrochloride  
**MF:** \( \text{C}_{11}\text{H}_{14}\text{ClN} \cdot \text{HCl} \)  
**FW:** 232.2  
**Purity:** \( \geq 98\% \)  
**UV/Vis.:** \( \lambda_{\text{max}}: 217, 223, 271, 277, 358, 484 \text{ nm} \)  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** \( \geq 2 \) years

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

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**Laboratory Procedures**

SKF 86466 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the SKF 86466 (hydrochloride) in the solvent of choice. SKF 86466 (hydrochloride) is soluble in the organic solvent DMSO, which should be purged with an inert gas. It is also soluble in water. The solubility of SKF 86466 (hydrochloride) in DMSO and water is approximately 20 mg/ml. We do not recommend storing the aqueous solution for more than one day.

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**Description**

SKF 86466 is a selective antagonist of \( \alpha_2 \)-adrenoceptors that shows nanomolar \( K_i \) values for the three subtypes, \( \alpha_{2A}, \alpha_{2B}, \) and \( \alpha_{2C} \).\(^1^2\) It is active in vivo, evoking antihypertensive effects in animal studies and clinical trials.\(^3^4\) SKF 86466 is used to study the role of \( \alpha_2 \)-adrenoceptors in animals.\(^4^5\)

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**References**