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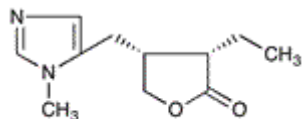
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

·HCl

Catalogue Number 32508

Product

Pilocarpine hydrochloride

(3*S*,4*R*)-4,5-Dihydro-3-ethyl-4-(1-methyl-1*H*-imidazol-5-yl)methyltetrahydrofuran-2-one

CAS Number 54-71-7

Molecular Formula C₁₁H₁₆N₂O₂•HCl

Molecular Weight 244.72

| | |
|---------------------------------------|--|
| Warnings | <i>Hygroscopic!</i> |
| Appearance | White or almost white crystalline powder or colorless crystals |
| Appearance of Solution | Clear and not more intensely colored than reference solution Y7 |
| Solubility | Very soluble in water and freely soluble in 96% Ethanol |
| Melting Point | 201 - 203 °C |
| Cation | Iron (Fe) : ≤ 10 ppm |
| Acidity | pH 3.5 - 4.5 |
| Optical Rotation | [α] _D ²⁰ = 88.5 - 91.5 ° |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | ≤ 3% (105 °C) |
| Readily Carbonizable Substance | The solution has no more color than matching fluid B |
| Related Substances | Isophilocarpine : ≤ 1% Isopilocarpine Acid : ≤ 0.5% Pilocarpic acid : ≤ 0.1% Any unspecified impurity : ≤ 0.1% Total impurities : ≤ 1% |
| Sulfated Ash | ≤ 0.1% |
| Assay | 98 - 102% (Dry basis) |
| Grade | Meets USP/EP testing specifications |
| Storage | Store at RT |

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Additional Information Test fo chloride : To pass test
Other alkaloid : No turbidity is produced in either solution

For Laboratory Use Only