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Product Information

N_α-p-Tosyl-L-arginine methyl ester hydrochloride

Product Number **T 4626**

Storage Temperature -0 °C

T4626 is a replacement for T4,350-8

Product Description

Molecular Formula: C₁₄H₂₂N₄O₄S • HCl

Molecular Weight: 378.9

CAS Number: 1784-03-8

Melting Point: 147.5-148 °C¹

Specific Rotation: -14.4° ± 0.3°

(40 mg/ml, water, 25 °C)

Synonyms: TAME

N_α-p-Tosyl-L-arginine methyl ester (TAME) can be utilized as a substrate for the serine proteases trypsin, plasmin, and thrombin.^{2,3} TAME has also been used as a protease inhibitor, as a reversible substrate analogue at a concentration of 1 mM, during the isolation of BHK-21 cells.⁴

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in water (40 mg/ml), yielding a clear solution.

References

1. Baines, N. J., et al., The kinetics of hydrolysis of derivatives of arginine, homoarginine and ornithine by trypsin. *Biochem. J.*, **90(3)**, 470-476 (1964).
2. Hummel, B. C. W., A modified spectrophotometric determination of chymotrypsin, trypsin, and thrombin. *Canadian Journal of Biochemistry and Physiology*, **37**, 1393-1399 (1959).
3. Castellino, F. J., and Sodetz, J. M., Rabbit Plasminogen and plasmin isozymes. *Methods Enzymol.*, **45**, 273-286 (1976).
4. Yang, H. Y., et al., A 300,000 mol-wt intermediate filament-associated protein in baby hamster kidney (BKH-21) cells. *J. Cell. Biol.*, **100(2)**, 620-631 (1985).

TMG/RXR 4/03

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