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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

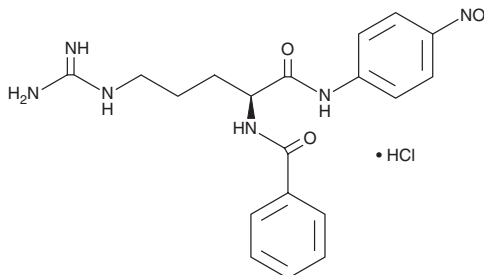


α -Benzoyl-L-Arginine-pNA (hydrochloride)

Item No. 36331

CAS Registry No.: 21653-40-7
Formal Name: N-[(1S)-4-[(aminoiminomethyl)amino]-1-[[[4-nitrophenyl]amino]carbonyl]butyl]-benzamide, monohydrochloride
Synonyms: α -Benzoyl-L-Arginine-4-Nitroanilide, α -Benzoyl-L-Arginine-p-Nitroanilide

MF: C₁₉H₂₂N₆O₄ • HCl
FW: 434.9
Purity: ≥98%
UV/Vis.: λ_{max} : 228, 314 nm
Supplied as: A 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

α -Benzoyl-L-arginine-pNA (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the α -benzoyl-L-arginine-pNA (hydrochloride) in the solvent of choice, which should be purged with an inert gas. α -Benzoyl-L-arginine-pNA (hydrochloride) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of α -benzoyl-L-arginine-pNA (hydrochloride) in these solvents is approximately 2 mg/ml.

Description

α -Benzoyl-L-arginine-pNA is a colorimetric substrate for trypsin and papain.¹ Enzymatic cleavage of α -benzoyl-L-arginine-pNA releases p-nitroanilide (pNA), which can be quantified by colorimetric detection at 405 nm as a measure of trypsin or papain activity.

Reference

1. Nishi, N., Tokura, S., and Noguchi, J. The synthesis of benzoyl-L-arginine-p-nitroanilide. *B. Chem. Soc. Jpn.* 43(9), 2900-2907 (1970).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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