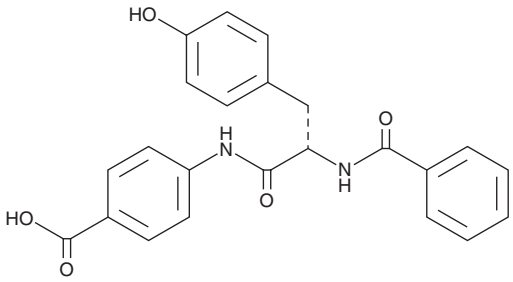
PRODUCT INFORMATION

Bentiromide

Item No. 46193

CAS Registry No.:	37106-97-1
Formal Name:	4-[[(2S)-2-(benzoylamino)-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-benzoic acid
Synonyms:	BT-PABA, N-benzoyl-L-Tyrosine-*p*-aminobenzoic Acid, N-benzoyl-L-Tyrosine-*para*-aminobenzoic Acid, N-benzoyl-L-Tyrosyl-PABA
MF:	$C_{23}H_{20}N_2O_5$
FW:	404.4
Purity:	≥98%
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

Bentiromide is supplied as a solid. A stock solution may be made by dissolving the bentiromide in the solvent of choice, which should be purged with an inert gas. Bentiromide is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

Bentiromide is a synthetic peptide substrate for chymotrypsin.[1] Upon enzymatic cleavage of bentiromide, *para*-aminobenzoic acid (PABA) is released, which can be detected colorimetrically using the Bratton-Marshall reagent, as a measure of chymotrypsin activity. Formulations containing bentiromide have previously been used in the diagnosis of exocarine pancreatic insufficiency.

Reference

1. Yamato, C. and Kinoshita, K. Hydrolysis and metabolism of N-benzoyl-L-tyrosyl-p-aminobenzoic acid in normal and pancreatic duct-ligated animals. *J. Pharmacol. Exp. Ther.* **206(2)**, 468-474 (1978).

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.

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