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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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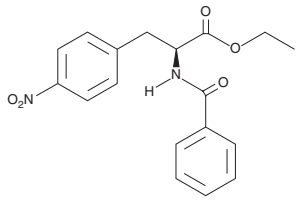
PRODUCT INFORMATION

SB 297006

Item No. 11964

CAS Registry No.:	58816-69-6
Formal Name:	N-benzoyl-4-nitro-L-phenylalanine, ethyl ester
MF:	$C_{18}H_{18}N_2O_5$
FW:	342.4
Purity:	≥99%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



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

Laboratory Procedures

SB 297006 is supplied as a solid. A stock solution may be made by dissolving the SB 297006 in the solvent of choice. SB 297006 is soluble in organic solvents such as ethanol and DMSO, which should be purged with an inert gas. The solubility of SB 297006 in these solvents is approximately 25 and 10 mM, respectively.

Description

SB 297006 is an antagonist of C-C chemokine receptor 3 (CCR3; IC_{50} = 39 nM), which normally is activated by eotaxin, eotaxin-3, MCP-3, MCP-4, RANTES, and MIP-1δ.[1] It is at least 250-fold selective for CCR3 over a panel of other chemokine receptors. SB 297006 blocks CCR3-mediated calcium mobilization induced by eotaxin, eotaxin-2, and MCP-4 in transfected cells.[1] It suppresses antigen-induced accumulation of Th2 lymphocytes and eosinophils in lungs of mice when delivered subcutaneously (100 mg/kg).[2]

References

1. White, J.R., Lee, J.M., Dede, K., *et al.* Identification of potent, selective non-peptide CC chemokine receptor-3 antagonist that inhibits eotaxin-, eotaxin-2-, and monocyte chemotactic protein-4-induced eosinophil migration. *J. Biol. Chem.* **275(47)**, 36626-36631 (2000).
2. Mori, A., Ogawa, K., Someya, K., *et al.* Selective suppression of T_h2-mediated airway eosinophil infiltration by low-molecular weight CCR3 antagonists. *Int. Immunol.* **19(8)**, 913-921 (2007).

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