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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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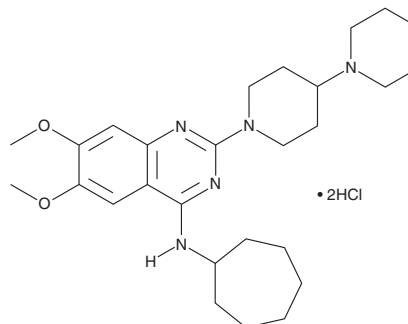
PRODUCT INFORMATION



CCR4 Antagonist (hydrochloride)

Item No. 21885

Formal Name: 2-[1,4'-bipiperidin]-1'-yl-N-cycloheptyl-6,7-dimethoxy-4-quinazolinamine, dihydrochloride
MF: C₂₇H₄₁N₅O₂ • 2HCl
FW: 540.6
Purity: ≥98%
UV/Vis.: λ_{max}: 214, 248 nm
Supplied as: A crystalline 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

CCR4 antagonist (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the CCR4 antagonist (hydrochloride) in the solvent of choice. CCR4 antagonist (hydrochloride) is soluble in organic solvents such as ethanol and DMSO, which should be purged with an inert gas. The solubility of CCR4 antagonist (hydrochloride) in these solvents is approximately 5 and 25 mg/ml, respectively.

Description

CCR4 antagonist is an antagonist of CC chemokine receptor 4 (CCR4) that inhibits human CCL22-derived [³⁵S]GTPγS and [¹²⁵I]CCL22 binding *in vitro* (IC₅₀s = 19 and 70 nM, respectively).¹ It also inhibits chemotaxis of cells expressing human and murine CCR4 with IC₅₀ values of 200 and 130 nM, respectively.

Reference

1. Yokoyama, K., Ishikawa, N., Igarashi, S., *et al.* Discovery of potent CCR4 antagonists: Synthesis and structure-activity relationship study of 2,4-diaminoquinazolines. *Bioorg. Med. Chem.* **16**(14), 7021-7032 (2008).

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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