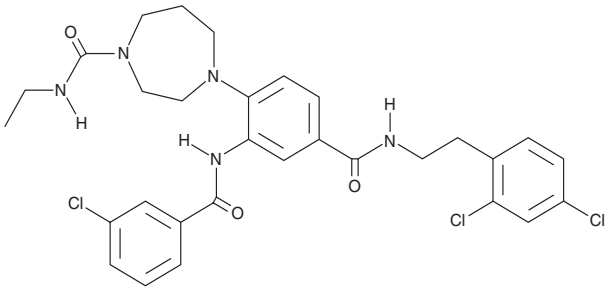
PRODUCT INFORMATION

CXCR3 Antagonist 6c

Item No. 29731

CAS Registry No.: 870998-13-3
Formal Name: 4-[2-[(3-chlorobenzoyl) amino]-4-[[[2-(2,4-dichlorophenyl)ethyl] amino]carbonyl]phenyl]-N-ethylhexahydro-1H-1,4-diazepine-1-carboxamide
MF: $C_{30}H_{32}Cl_3N_5O_3$
FW: 617.0
Purity: ≥98%
Supplied as: A crystalline 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

CXCR3 antagonist 6c is supplied as a crystalline solid. A stock solution may be made by dissolving the CXCR3 antagonist 6c in the solvent of choice, which should be purged with an inert gas. CXCR3 antagonist 6c is soluble in the organic solvent DMSO at a concentration of approximately 100 mM.

Description

CXCR3 antagonist 6c is an antagonist of chemokine (C-X-C motif) receptor 3 (CXCR3).[1] It inhibits calcium mobilization induced by chemokine (C-X-C motif) ligand 11 (CXCL11) in HEK293 cells expressing the human receptor (IC_{50} = 0.06 µM). It is selective for CXCR3 over a panel of 14 human G protein-coupled receptors at 10 µM. CXCR3 antagonist 6c inhibits CXCR3-mediated migration of isolated human T cells (IC_{50} = ~100 nM).

Reference

1. Cole, A.G., Stroke, I.L., Brescia, M.-R., *et al.* Identification and initial evaluation of 4-N-aryl-[1,4]diazepane ureas as potent CXCR3 antagonists. *Bioorg. Med. Chem. Lett.* **16(1)**, 200-203 (2006).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM