

Product Name: UCB 35625

Catalog No.: 2757

Batch No.: 3

IUPAC Name: 1,4-*trans*-1-(1-Cycloocten-1-ylmethyl)-4-[[[(2,7-dichloro-9*H*-xanthen-9-yl)carbonyl]amino]-1-ethylpiperidinium iodide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₀H₃₇Cl₂IN₂O₂

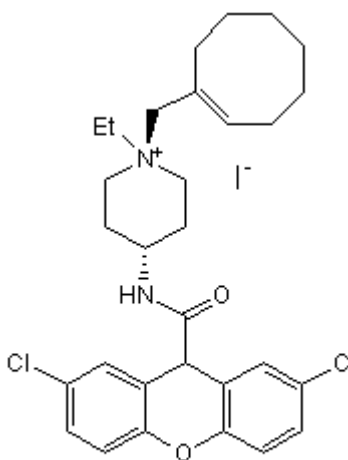
Batch Molecular Weight: 655.44

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 50 mM

Storage: Store at +4°C

Batch Molecular Structure:



(and enantiomer)

2. ANALYTICAL DATA

TLC: R_f = 0.2 (Ethyl acetate:Methanol [4:96])

HPLC: Shows >99.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.97	5.69	4.27
Found	55.07	5.67	4.4

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Description:

Potent chemokine CCR1 and CCR3 receptor antagonist. Inhibits MIP-1 α -induced chemotaxis in CCR1 transfectants and eotaxin-induced chemotaxis in CCR3 transfectants (IC₅₀ values are 9.57 and 93.8 nM respectively). Antagonizes CCR3-mediated entry of HIV-1 isolate 89.6 into NP-2 cells (IC₅₀ = 57 nM). Isomer of J 113863 (Cat. No. 2595).

Physical and Chemical Properties:

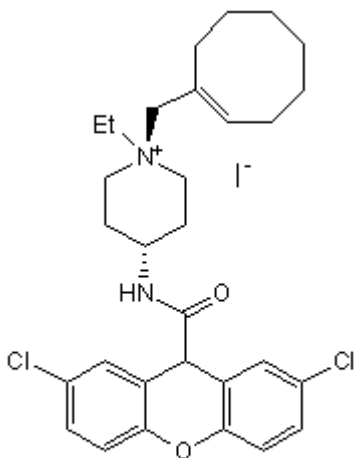
Batch Molecular Formula: C₃₀H₃₇Cl₂IN₂O₂

Batch Molecular Weight: 655.44

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



(and enantiomer)

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 mM

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Sabroe *et al* (2000) A small molecule antagonist of chemokine receptors CCR1 and CCR3. *J.Biol.Chem.* **275** 25985. PMID: 10854442.

Lopes de Mendonca *et al* (2005) Site-directed mutagenesis of CC chemokine receptor 1 reveals the mechanism of action of UCB 35625, a small molecule chemokine receptor antagonist. *J.Biol.Chem.* **280** 4808. PMID: 15548526.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956