

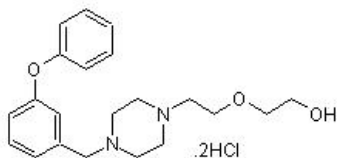
## Product datasheet

# ZK 756326, non-peptide CCR8 chemokine receptor agonist agonist ab120814

[2 Images](#)

### Overview

<b>Product name</b>	ZK 756326, non-peptide CCR8 chemokine receptor agonist
<b>Description</b>	Non-peptide CCR8 chemokine receptor agonist
<b>Biological description</b>	Non-peptide CCR8 chemokine receptor agonist ( $EC_{50}$ = 245 nM). Demonstrates no agonist activity against CCR3, CXCR3, CXCR4 and CCR5. Desensitizes the receptor against CCL1 stimulation.
<b>Purity</b>	> 99%
<b>CAS Number</b>	1780259-94-0
<b>Chemical structure</b>	



### Properties

<b>Chemical name</b>	2-[2-[4-[(3-Phenoxyphenyl)methyl]-1-piperazinyl]ethoxy]ethanol dihydrochloride
<b>Molecular weight</b>	429.39
<b>Molecular formula</b>	$C_{21}H_{28}N_2O_3 \cdot 2HCl$
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at <math>-20^{\circ}C</math>. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

## Applications

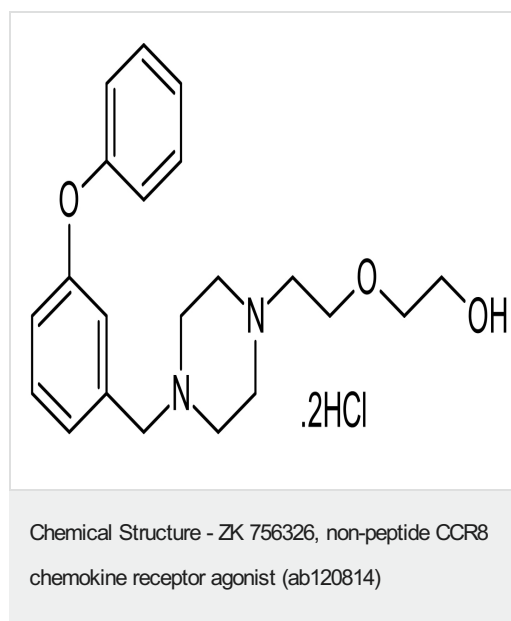
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Our **Abpromise guarantee** covers the use of ab120814 in the following tested applications.

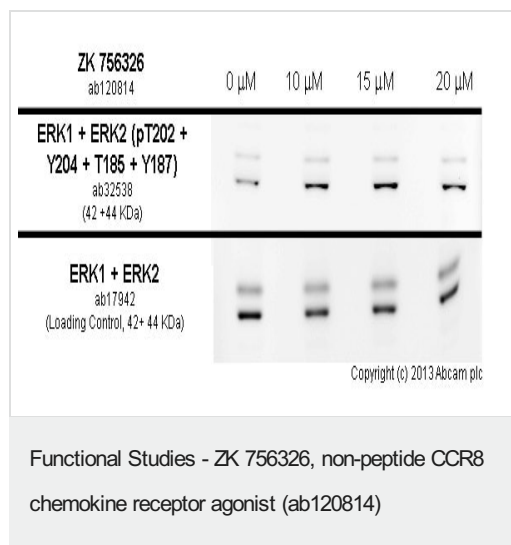
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



2D chemical structure image of ab120814, ZK 756326, non-peptide CCR8 chemokine receptor agonist



THP1 cells were incubated at 37°C for 3 minutes with vehicle control (0 μM) and different concentrations of ZK 756326 (ab120814). Increased expression of ERK1 + ERK2 (phospho T202 + Y204 + T185 + Y187) (**ab32538**) in THP1 cells correlates with an increase in ZK 756326 concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab32538** at 1/500 dilution and **ab17942** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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