



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

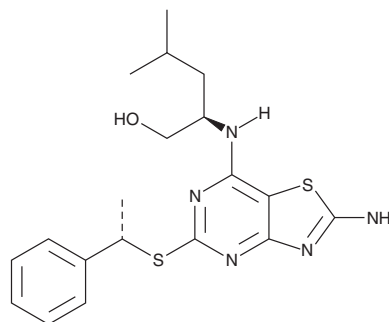
# PRODUCT INFORMATION



## AZD 8797

Item No. 28419

**CAS Registry No.:** 911715-90-7  
**Formal Name:** (2R)-2-[[2-amino-5-[[[(1S)-1-phenylethyl]thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-4-methyl-1-pentanol  
**MF:** C<sub>19</sub>H<sub>25</sub>N<sub>5</sub>OS<sub>2</sub>  
**FW:** 403.6  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 246 nm  
**Supplied as:** A 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

AZD 8797 is supplied as a solid. A stock solution may be made by dissolving the AZD 8797 in the solvent of choice, which should be purged with an inert gas. AZD 8797 is soluble in DMSO.

### Description

AZD 8797 is a chemokine (C-X<sub>3</sub>-C motif) receptor 1 (CX<sub>3</sub>CR1) antagonist (K<sub>i</sub> = 3.9 nM). It is selective for CX<sub>3</sub>CR1 over CX<sub>3</sub>CR2 (K<sub>i</sub> = 2,800 nM).<sup>1</sup> AZD 8797 (0.1-10 μM) inhibits [<sup>35</sup>S]GTPγS accumulation induced by chemokine (C-X<sub>3</sub>-C) ligand 1 (CX<sub>3</sub>CL1) in CHO cell membranes expressing human CX<sub>3</sub>CR1.<sup>2</sup> It inhibits adhesion of RBMI-8226 cells to CX<sub>3</sub>CL1 (IC<sub>50</sub> = 5.8 nM). AZD 8797 (39 and 78 μmol/kg per day) reduces spinal cord inflammation and demyelination, as well as the incidence of disease relapse, in a rat model of myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis (EAE).<sup>3</sup>

### References

1. Shima, H., Matsumoto, M., Ishigami, Y., *et al.* S-Adenosylmethionine synthesis is regulated by selective N<sup>6</sup>-adenosine methylation and mRNA degradation involving METTL16 and YTHDC1. *Cell Rep.* **21(12)**, 3354-3363 (2017).
2. Cederblad, L., Rosengren, B., Ryberg, E., *et al.* AZD8797 is an allosteric non-competitive modulator of the human CX<sub>3</sub>CR1 receptor. *Biochem. J.* **473(5)**, 641-649 (2016).
3. Wollberg, A.R., Ericsson-Dahlstrand, A., Jureus, A., *et al.* Pharmacological inhibition of the chemokine receptor CX<sub>3</sub>CR1 attenuates disease in a chronic-relapsing rat model for multiple sclerosis. *PNAS* **111(14)**, 5409-5414 (2014).

#### 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.

#### WARRANTY AND LIMITATION OF REMEDY

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#### 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