



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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

www.szabo-scandic.com

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

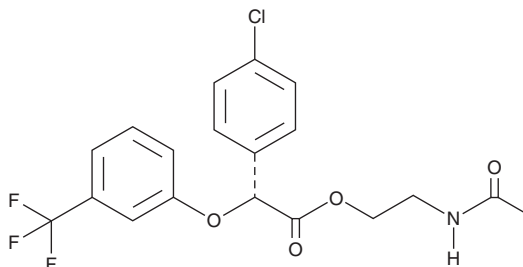
PRODUCT INFORMATION



Arhalofenate

Item No. 34575

CAS Registry No.: 24136-23-0
Formal Name: 4-chloro- α R-[3-(trifluoromethyl)phenoxy]-benzeneacetic acid, 2-(acetylamino)ethyl ester
Synonyms: JNJ-39659100, MBX-102
MF: C₁₉H₁₇ClF₃NO₄
FW: 415.8
Purity: \geq 98%
Supplied as: A solid
Storage: -20°C
Stability: \geq 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Arhalofenate is supplied as a solid. A stock solution may be made by dissolving the arhalofenate in the solvent of choice, which should be purged with an inert gas. Arhalofenate is soluble in the organic solvent DMSO at a concentration of approximately 30 mg/ml.

Description

Arhalofenate is an orally bioavailable prodrug form of the free acid form of a peroxisome proliferator-activated receptor γ (PPAR γ) partial agonist.¹ It is converted to the active free acid form by nonspecific serum esterases. Arhalofenate has weak PPAR γ transactivation activity in a reporter assay but strong transrepression activity, reducing LPS-induced chemokine (C-C motif) ligand 2 (CCL2) secretion in isolated mouse peritoneal macrophages. It reduces fasting plasma glucose levels in *ob/ob* mouse and Zucker diabetic fatty (ZDF) rat models of type 2 diabetes when administered at doses of 125 and 100 mg/kg, respectively. It also decreases fasting free fatty acid, triglyceride, and cholesterol levels in ZDF rats without increasing body weight when administered at a dose of 100 mg/kg.² Arhalofenate (250 mg/kg) prevents leukocyte and neutrophil infiltration and IL-1 β , IL-6, and chemokine (C-X-C motif) ligand 1 (CXCL1) production in air pouch fluid in a mouse model of gout.³

References

1. Gregoire, F.M., Zhang, F., Clarke, H.J., *et al.* MBX-102/JNJ39659100, a novel peroxisome proliferator-activated receptor-ligand with weak transactivation activity retains antidiabetic properties in the absence of weight gain and edema. *Mol. Endocrinol.* **23(7)**, 975-988 (2009).
2. Chandalia, A., Clarke, H.J., Clemens, L.E., *et al.* MBX-102/JNJ39659100, a novel non-TZD selective partial PPAR- γ agonist lowers triglyceride independently of PPAR- α activation. *PPAR Res.* 706852 (2009).
3. McWherter, C., Choi, Y.-J., Serrano, R.L., *et al.* Arhalofenate acid inhibits monosodium urate crystal-induced inflammatory responses through activation of AMP-activated protein kinase (AMPK) signaling. *Arthritis Res. Ther.* **20(1)**, 204 (2018).

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

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 06/25/2021

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