



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) 

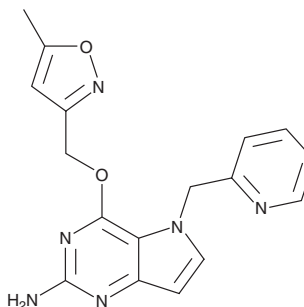
PRODUCT INFORMATION



TLR7 Agonist 2

Item No. 28450

CAS Registry No.: 1642857-69-9
Formal Name: 4-[(5-methyl-3-isoxazolyl)methoxy]-5-(2-pyridinylmethyl)-5H-pyrrolo[3,2-d]pyrimidin-2-amine
MF: C₁₇H₁₆N₆O₂
FW: 336.4
Purity: ≥98%
UV/Vis.: λ_{max}: 232, 269, 294 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

TLR7 agonist 2 is supplied as a crystalline solid. A stock solution may be made by dissolving the TLR7 agonist 2 in the solvent of choice, which should be purged with an inert gas. TLR7 agonist 2 is soluble in the organic solvent DMSO at a concentration of approximately 160 mg/ml.

Description

TLR agonist 2 is a toll-like receptor 7 (TLR7) agonist with a lowest effective concentration (LEC) value of 0.4 μM in a cell-based reporter assay.¹ It is selective for TLR7 over TLR8 (LEC = >100 μM). TLR7 agonist 2 (0.3-10 mg/kg) increases IFN-α levels and the IFN-stimulated gene (ISG) response, increasing the expression of *Oas1b*, *Isg15*, and *Mx1*, in mouse liver and plasma. It increases plasma levels of IFN-α, CCL2, IL-6, IL-1Ra, G-CSF, and IL-10 in cynomolgus monkeys when administered at a dose of 10 mg/kg. TLR agonist 2 (0.3-5 mg/kg) reduces serum and liver viral load in the hydrodynamic injection (HDI) hepatitis B virus (HBV) mouse model.

Reference

1. McGowan, D.C., Herschke, F., Pauwels, F., *et al.* Identification and optimization of pyrrolo[3,2-d]pyrimidine toll-like receptor 7 (TLR7) selective agonists for the treatment of Hepatitis B. *J. Med. Chem.* **60**(14), 6137-6151 (2017).

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, 05/07/2020

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