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

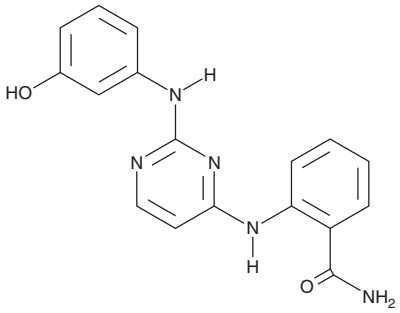
www.szabo-scandic.com

linkedin.com/company/szaboscandic

PRODUCT INFORMATION

DB07268

Item No. 22257



CAS Registry No.:	929007-72-7
Formal Name:	2-[[2-[(3-hydroxyphenyl)amino]-4-pyrimidinyl]amino]-benzamide
MF:	$C_{17}H_{15}N_5O_2$
FW:	321.3
Purity:	≥98%
UV/Vis.:	λ_{max}: 275, 323 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

DB07268 is supplied as a crystalline solid. A stock solution may be made by dissolving the DB07268 in the solvent of choice. DB07268 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of DB07268 in these solvents is approximately 30 mg/ml.

DB07268 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, DB07268 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. DB07268 has a solubility of approximately 0.03 mg/ml in a 1:30 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

DB07268 is a potent inhibitor of JNK1 (IC_{50} = 9 nM) that binds to the ATP site of JNK1.[1] It is selective for JNK1 over P38, ERK2, AKT1, CHK1, and PAK4 among others. DB07268 did not reduce phosphorylation of insulin resistance substrate 1 (IRS-1) in HEK293 cells.[2]

References

1. Liu, M., Wang, S., Clampit, J.E., *et al.* Discovery of a new class of 4-anilinopyrimidines as potent c-Jun N-terminal kinase inhibitors: Synthesis and SAR studies. *Bioor. Med. Chem. Lett.* **17(3)**, 668-672 (2007).
2. Simon-Szabó, S., Kokas, M., Greff, Z., *et al.* Novel compounds reducing IRS-1 serine phosphorylation for treatment of diabetes. *Bioorg. Med. Chem. Lett.* **26(2)**, 424-428 (2016).

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