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

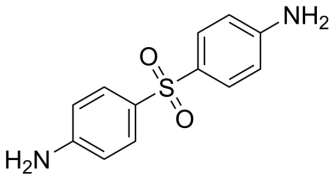
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Dapsone (Standard)

Cat. No.:	HY-B0688R
CAS No.:	80-08-0
Molecular Formula:	$C_{12}H_{12}N_2O_2S$
Molecular Weight:	248.3
Target:	Bacterial; Reactive Oxygen Species; Parasite; Antibiotic
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dapsone (Standard) is the analytical standard of Dapsone. This product is intended for research and analytical applications. Dapsone (4,4′-Diaminodiphenyl sulfone) is an orally active and blood-brain penetrant sulfonamide antibiotic with bacteriostatic, antimycobacterial and antiprotozoal activities[1]. Dapsone exerts effective antileprosy activity and inhibits folate synthesis in cell extracts of M. leprae. Dapsone is used for dermatologic disorder research, including leprosy, dermatitis herpetiformis, acne vulgaris et al[2][3].
IC_{50} & Target	IC50: bacteriostatic; folate synthesis[3]

REFERENCES

[1]. Y I Zhu, et al. Dapsone and sulfones in dermatology: overview and update. J Am Acad Dermatol

[2]. Dapsone, Drug.com

[3]. D Voeller, et al. Interaction of Pneumocystis carinii dihydropteroate synthase with sulfonamides and diaminodiphenyl sulfone (dapsone).J Infect Dis. 1994 Feb;169(2):456-9.

[4]. Esther Moreno, et al. Evaluation of Skin Permeation and Retention of Topical Dapsone in Murine Cutaneous Leishmaniasis Lesions.Pharmaceutics. 2019 Nov 13;11(11):607.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA