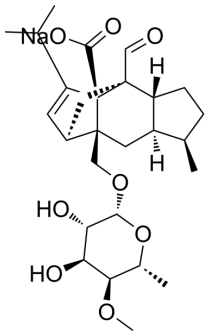
Sordarin sodium

Cat. No.:	HY-126396
CAS No.:	463356-00-5
Molecular Formula:	$C_{27}H_{39}NaO_8$
Molecular Weight:	514.58
Target:	Fungal; Antibiotic; CaMK
Pathway:	Anti-infection; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Sordarin is a potent diphthamide-dependent eEF2 inhibitor with antifungal properties. Sordarin targets eEF2 so as to inhibit protein translation by blocking eEF2-mediated translocation of tRNAs. Sordarin inhibits translation specifically in certain fungi (e.g. C. albicans, C. glabrata, and C. neoformans) while unable to do so in some other fungal species (e.g. Candida parapsilosis and Candida lusitaniae)[1][2].
IC_{50} & Target	IC50: eEF2; fungal[1]

REFERENCES

[1]. Wael Abdel-Fattah, et al. Insights into diphthamide, key diphtheria toxin effector. Toxins (Basel). 2013 May 3;5(5):958-68.

[2]. Biprashekhar Chakraborty, et al. Structure-based designing of sordarin derivative as potential fungicide with pan-fungal activity. J Mol Graph Model. 2016 May;66:133-42.

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