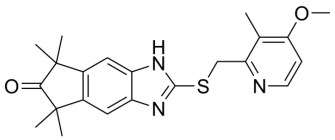
Ro18-5362

Cat. No.:	HY-U00193
CAS No.:	101387-97-7
Molecular Formula:	$C_{22}H_{25}N_3O_2S$
Molecular Weight:	395.52
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ro18-5362 is the less active proagent of Ro 18-5364. Even at concentrations as high as 0.1 mM Ro 18-5362 fails to affect significantly (H^++K^+)-ATPase activity and associated proton translocation.
In Vitro	Marked differences are seen between Ro 18-5364 (sulfoxide) and Ro18-5362 (sulfide) with regard to inhibitory activity. Even at concentrations as high as 0.1 mM Ro18-5362 fails to affect significantly (H^++K^+)-ATPase activity and associated proton translocation[1]. The sulfoxide Ro 18-5364, a potential metabolite of the IND Ro18-5362, is a powerful inhibitor of gastric mucosal (H^++K^+)-ATPase, decreasing enzymatic activity with an apparent K_i of 0.1 μM[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sigrist-Nelson K, et al. Ro 18-5364, a potent new inhibitor of the gastric (H+ + K+)-ATPase. Eur J Biochem. 1987 Jul 15;166(2):453-9.

[2]. Sigrist-Nelson K, et al. Gastric (H+ + K+)-ATPase: modulation of the inhibitory properties of the novel potent antisecretagogue Ro 18-5364 by sulfhydryl reagents and nucleotides. FEBS Lett. 1986 Mar 3;197(1-2):187-91.

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