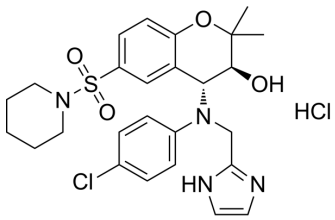
BMS-199264 hydrochloride

Cat. No.:	HY-118960
CAS No.:	186180-83-6
Molecular Formula:	$C_{26}H_{32}Cl_2N_4O_4S$
Molecular Weight:	567.53
Target:	ATP Synthase
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BMS-199264 hydrochloride is an inhibitor of F1F0 ATP hydrolase (IC_{50}=0.5 μM) without inhibitory effect on F1F0 ATP synthase. BMS-199264 hydrochloride selectively inhibits ATP decline during ischemia to reduces cardiac necrosis. BMS-199264 hydrochloride also enhances the recovery of contractile function following reperfusion[1].
In Vitro	BMS-199264 hydrochloride (1 μM, 3 μM, 10 μM) increases the time to onset of contracture and decreases LDH release, in a concentration-dependent manner in isolated rat hearts after a 25-min global ischemia followed by a 30-min reperfusion[1]. BMS-199264 hydrochloride (3 μM) shows different effects on ATP synthase or hydrolase activity with values of 0.23 μM ATP/min/mg and 0.18 μM ATP/min/mg, respecctively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Grover GJ, et al. Pharmacological profile of the selective mitochondrial F1F0 ATP hydrolase inhibitor BMS-199264 in myocardial ischemia. Cardiovasc Ther. 2008 Winter;26(4):287-96.

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