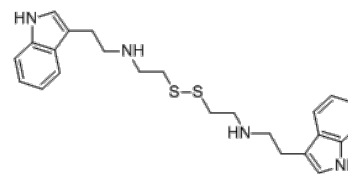


Product Name : G6PD activator AG1
Cat. No. : PC-35706
CAS No. : 421581-52-4
Molecular Formula : C₂₄H₃₀N₄S₂
Molecular Weight : 438.652
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

G6PD activator AG1 (AG1) is a specific, small molecule that increases the activity of the wild-type, Canton mutant (R459L, EC₅₀=3 μM) and several other common glucose-6-phosphate dehydrogenase (**G6PD**) mutants.

AG1 displays no effect on the dimerization or activity of several other NAD- or NADP⁺-dependent dimeric or tetrameric enzymes, including 6PGD, GAPDH, ALDH2, and ALDH3A1.

AG1 attenuates ROS-induced pericardial edema in a G6PD-dependent manner in zebrafish, reduces hemolysis of human erythrocytes

References

Hwang S, et al. *Nat Commun.* 2018 Oct 2;9(1):4045.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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