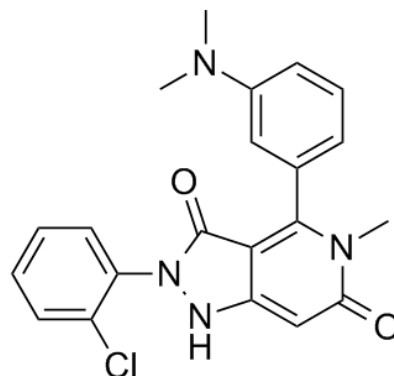


Product Name : GKT137831
Cat. No. : PC-42961
CAS No. : 1218942-37-0
Molecular Formula : C₂₁H₁₉ClN₄O₂
Molecular Weight : 394.8542
Target : NADPH Oxidase (NOX)
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

GKT137831 (Setanaxib, GKT-137831) is a potent, selective, dual **NADPH oxidase Nox1/4** inhibitor with K_i of 110/140 nM, 15-fold less potent on Nox2 and 3-fold less potent on Nox5, and no affinity for xanthine oxidase. GKT137831 (Setanaxib) attenuates liver fibrosis and ROS production in both SOD1^{mu} and WT mice, suppresses ROS production and NOX and fibrotic gene expression, but not Rac1 activity, in SOD1^{mut} and WT in hepatic stellate cells (HSCs).

References

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Aoyama T, et al. **Hepatology.** 2012 Dec;56(6):2316-27.
Gray SP, et al. **Circulation.** 2013 May 7;127(18):1888-902.
Laleu B, et al. **J Med Chem.** 2010 Nov 11;53(21):7715-30.

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

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