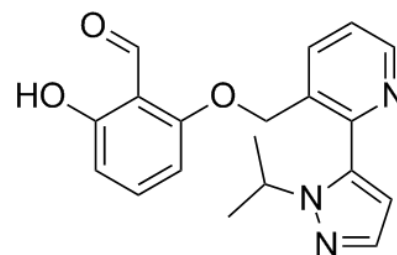


Product Name : GBT-440
Cat. No. : PC-45522
CAS No. : 1446321-46-5
Molecular Formula : C₁₉H₁₉N₃O₃
Molecular Weight : 337.3725
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

GBT-440 (Voxelotor) is a new potent allosteric effector of sickle cell hemoglobin.

GBT-440 (Voxelotor) increases the affinity of hemoglobin for oxygen and consequently inhibits its polymerization when subjected to hypoxic conditions.

GBT-440 (Voxelotor) is orally bioavailable and partitions highly and favorably into the red blood cell with a RBC/plasma ratio of ~150.

References

Metcalf B, et al. ACS Med Chem Lett. 2017 Jan 23;8(3):321-326.

Oksenberg D, et al. Br J Haematol. 2016 Oct;175(1):141-53.

Dufu K, et al. Hematol Rep. 2016 Sep 28;8(3):6637.

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

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