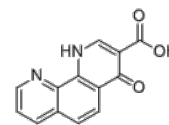


Product Name : FG-0041
Cat. No. : PC-21729
CAS No. : 53946-49-9
Molecular Formula : C₁₃H₈N₂O₃
Molecular Weight : 240.22
Target : HIF/HIF Prolyl-hydroxylase
Solubility : 10 mM in DMSO



CAS: 53946-49-9

Biological Activity

FG-0041 (FG0041) is a small molecule inhibitor of hypoxia-inducible factor prolyl hydroxylase (**HIF-PH**) with IC₅₀ of 2 uM for collagen prolyl hydroxylase.

FG-0041 in low micromolar concentrations led to the dose-dependent accumulation of HIF1α in a variety of mammalian cells, accumulated transcriptionally active HIF.

FG-0041 also inhibits asparagine hydroxylation. FG-0041 was shown earlier to preserve left ventricular function in a rodent model of myocardial infarction.

References

Mircea Ivan, et al. *Proc Natl Acad Sci U S A*. 2002 Oct 15;99(21):13459-64.

Nwogu J I, et al. *Circulation*. 2001;104:2216–2221.

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

E-mail: tech@probechem.com