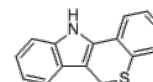


Product Name : PD-146176
Cat. No. : PC-70225
CAS No. : 4079-26-9
Molecular Formula : C₁₅H₁₁NS
Molecular Weight : 237.3
Target : Lipoxygenase
Solubility : 10 mM in DMSO



Biological Activity

PD-146176 (NSC 168807, PD146176) is a potent, selective, non-competitive inhibitor of 15-lipoxygenase (**15-LOX**) with K_i of 197 nM.

PD-146176 shows no demonstrable effect on 5-LOX, 12-LOX, COX-1 or COX-2.

PD-146176 significantly abrogates SAT1-induced ferroptosis, inhibits amyloid β protein aggregate formation without changing total levels of amyloid β precursor protein (APP) in cells stably expressing APP.

References

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Bocan TM, et al. *Atherosclerosis*. 1998 Feb;136(2):203-16.

Sendobry SM, et al. *Br J Pharmacol*. 1997 Apr;120(7):1199-206.

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

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