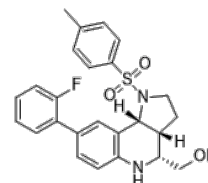


Product Name : Radicol
Cat. No. : PC-23745
CAS No. : 12772-57-5
Molecular Formula : C₁₈H₁₇ClO₆
Molecular Weight : 364.78
Target : Pyruvate Dehydrogenase Kinase (PDK)
Solubility : 10 mM in DMSO



Biological Activity

Radicol is an inhibitor of Hsp90 with IC₅₀ value <1 μM, also inhibits pyruvate dehydrogenase kinase (PDHK, PDK) with IC₅₀ of 230 μM (PDK1) and 400 μM (PDK3).

Radicol is an antifungal and antimalarial antibiotic, impairs mitochondrial replication by targeting P. falciparum topoisomerase VI.

Radicol is also an inhibitor of fat mass and obesity-associated protein (FTO) with IC₅₀ of 16 μM.

References

Kato M, et al. Structure. 2007 Aug;15(8):992-1004. Epub 2007 Aug 2.

Chalapareddy S, et al. Antimicrob Agents Chemother. 2014 Aug;58(8):4341-52.

Wang R, et al. Mol Pharm. 2018 Sep 4;15(9):4092-4098.

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

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