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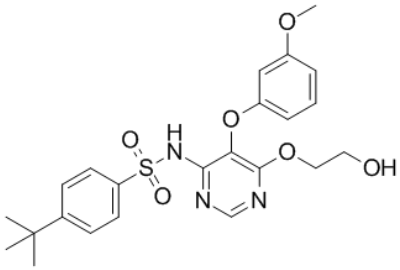
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ro 46-2005
Cat. No.	:	PC-45639
CAS No.	:	150725-87-4
Molecular Formula	:	$C_{23}H_{27}N_3O_6S$
Molecular Weight	:	473.542
Target	:	Endothelin Receptor
Solubility	:	DMSO: ≥ 28 mg/mL



Biological Activity

Ro 46-2005 is the first synthetic orally active nonpeptide antagonist of **endothelin receptor** with equipotent potency (IC50=0.2-0.5 uM) for ETA and ETB.
Ro 46-2005 has no effect on plasma concentrations of big ET-1 and only a minor effect on those of ET-3.
Ro 46-2005 is sufficient to inhibit the pressor effect of the precursor big ET-1 at much lower doses (1 to 10 mg/kg i.v.).

References

Clozel M, et al. ***Nature.*** 1993 Oct 21;365(6448):759-61.

Breu V, et al. ***FEBS Lett.*** 1993 Nov 15;334(2):210-4.

Clozel M, et al. ***J Cardiovasc Pharmacol.*** 1993;22 Suppl 8:S377-9.

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

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