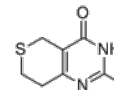


Product Name : DR2313
Cat. No. : PC-38045
CAS No. : 284028-90-6
Molecular Formula : C₈H₁₀N₂OS
Molecular Weight : 182.241
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

DR2313 is a PARP inhibitor, inhibits poly(ADP-ribose)ation in nuclear extracts of rat brain in vitro (K_i=0.23 μM).

DR2313 is specific for PARP but not selective between PARP-1 and PARP-2. DR2313 also shows excellent profiles in water solubility and rat brain penetrability.

DR2313 reduces excessive formation of poly(ADP-ribose) and cell death in in vitro models of cerebral ischemia.

DR2313 (10 mg/kg i.v. bolus and 10 mg/kg/h i.v. infusion for 6 h) significantly reduced the cortical infarct volume in both permanent and transient focal ischemia models in rats.

DR2313 exerts neuroprotective effects via its potent PARP inhibition.

References

Nakajima H, et al. *J Pharmacol Exp Ther.* 2005 Feb;312(2):472-81.

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

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