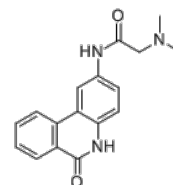


Product Name : PARP inhibitor PJ34
Cat. No. : PC-21820
CAS No. : 344458-19-1
Molecular Formula : C₁₇H₁₇N₃O₂
Molecular Weight : 295.34
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

PJ34 is a potent specific inhibitor of **PARP1/2** with IC₅₀ of 110 nM and 86 nM, respectively.

PJ34 significantly decreased myocardial PARP activation but not nitrotyrosine formation, and improved both cardiac dysfunction and vascular relaxation.

PJ34 prevents spontaneous and recurrent autoimmune diabetes in NOD mice by inducing apoptosis of islet-infiltrating leukocytes.

References

Haddad M, et al. *Br J Pharmacol*. 2006 Sep;149(1):23-30.

Abdelkarim GE, et al. *Int J Mol Med*. 2001 Mar;7(3):255-60.

Iványi Z, et al. *Shock*. 2003 May;19(5):415-21.

Pacher P, et al. *J Pharmacol Exp Ther*. 2002 Mar;300(3):862-7.

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

E-mail: tech@probechem.com