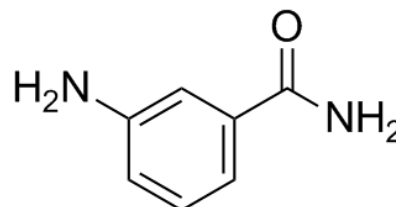


Product Name : INO-1001
Cat. No. : PC-42837
CAS No. : 501364-82-5
Molecular Formula : C₂₃H₂₅N₃O₄S
Molecular Weight : 439.53
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

INO-1001 is a potent, selective poly(ADP-ribose) polymerase (**PARP**). INO-1001 significantly radiosensitizes human and rodent cell lines at 10 μ M (enhancement ratios 1.4-1.6), enhances radiation-induced cell killing by interfering with DNA repair mechanisms, resulting in necrotic cell death. INO-1001 attenuates various aspects of the pathophysiological response in a clinically relevant experimental model of burn/smoke inhalation injury.

References

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Szabó G, et al. Shock. 2004 May;21(5):426-32.
Du X, et al. J Clin Invest. 2003 Oct;112(7):1049-57.
Brock WA, et al. Cancer Lett. 2004 Mar 18;205(2):155-60.

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

E-mail: tech@probechem.com