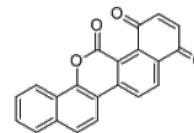


Product Name : ARSA-IN-1r
Cat. No. : PC-72504
CAS No. : 2097815-91-1
Molecular Formula : C₂₁H₁₀O₄
Molecular Weight : 326.307
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ARSA-IN-1r (ARSAi) is the first reversible inhibitor of human Arylsulfatase A (**ARSA**) with SPR KD of 21 uM and IC₅₀ of 13.2 uM.

Compound 1r induced 20% sperm death at 25 μM and also impaired sperm motility mediated by ROS production.

ARSA-IN-1r markedly decreased the in vitro oocyte fertilization by mouse sperm.

ARSA-IN-1r (ARSAi) is a chemical tool that will enable better exploration of ARSA's biological role in fertilization.

References

Silvia Caroselli, et al. *ACS Chem Biol.* 2020 Jun 19;15(6):1349-1357.

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

E-mail: tech@probechem.com