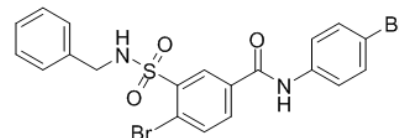


**Product Name** : RS-1  
**Cat. No.** : PC-45715  
**CAS No.** : 312756-74-4  
**Molecular Formula** : C<sub>20</sub>H<sub>16</sub>Br<sub>2</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 524.2256  
**Target** : RAD51  
**Solubility** : 10 mM in DMSO



### Biological Activity

RS-1 is a homology-directed repair (HDR) enhancer and **RAD51** activator, enhances HDR 3- to 6-fold depending on the locus and transfection method.

RS-1 shows effectivity on improving knock-in rates in both the TALEN- and the **CRISPR/Cas9**-mediated genome-editing systems.

### References

Song J, et al. *Nat Commun.* 2016 Jan 28;7:10548.

Pinder J, et al. *Nucleic Acids Res.* 2015 Oct 30;43(19):9379-92.

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

E-mail: tech@probechem.com