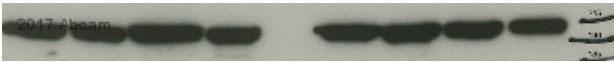


Product datasheet

RS-1 (RAD51 Activator), RAD51 stimulator ab222372

Overview

<b>Product name</b>	RS-1 (RAD51 Activator), RAD51 stimulator
<b>Description</b>	High affinity RAD51 stimulator
<b>Biological description</b>	High affinity human homologous recombination (HR) protein RAD51 stimulator. Low micromolar concentrations enhance DNA binding ( $K_d = 48\text{-}107\text{ nM}$ , dependent on cofactors present), and result in longer protein–DNA complex lengths. Enhances recombinogenic activity by stabilizing the active form of hRAD51 filaments without inhibiting hRAD51 ATPase activity. Enhances both TALEN and Cas9-mediated knock-in efficiency in rabbit embryos both <i>in vitro</i> and <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	312756-74-4
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	4-Bromo- <i>N</i> -(4-bromophenyl)-3-[[[(phenylmethyl)amino]sulfonyl]benzamide
<b>Molecular weight</b>	524.23
<b>Molecular formula</b>	$C_{20}H_{16}Br_2N_2O_3S$
<b>PubChem identifier</b>	1039737
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C long term. Store In the Dark. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>C1=CC=C(C=C1)CNS(=O)(=O)C2=C(C=CC(=C2)C(=O)NC3=CC=C(C=C3)Br)Br</chem>
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team