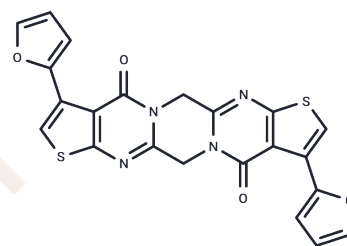


RGB-1

## Chemical Properties

CAS No. : 930455-91-7  
 Formula: C<sub>22</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>S<sub>2</sub>  
 Molecular Weight: 460.49  
 Storage: Store at low temperature  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	RGB-1, a small molecule that selectively stabilizes the RNA G-quadruplex structure, enhances G-quadruplex-mediated inhibition of RNA translation in mammalian cells and reduces NRAS proto-oncogene expression in breast cancer cells.
Targets(IC50)	Others,Ras

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1716 mL	10.858 mL	21.716 mL
5 mM	0.4343 mL	2.1716 mL	4.3432 mL
10 mM	0.2172 mL	1.0858 mL	2.1716 mL
50 mM	0.0434 mL	0.2172 mL	0.4343 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Katsuda Y, et al. A Small Molecule That Represses Translation of G-Quadruplex-Containing mRNA. J Am Chem Soc. 2016 Jul 27;138(29):9037-40.

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