

Product Data Sheet

Product Name: RGB-1
Cat. No.: GC73623

Chemical Properties

Cas. No. 930455-91-7

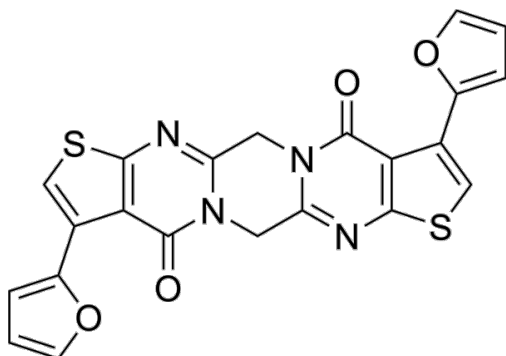
Formula $C_{22}H_{12}N_4O_4S_2$ M.Wt 460.49

Solubility DMSO : < 1 mg/mL (insoluble or slightly soluble) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

RGB-1 is a polycyclic aromatic dithiocarbonyl molecule and a stabilizer of RNA G-quadruplexes. RGB-1 can promote the inhibition of RNA translation and reduce the expression of NRAS proto-oncogene in breast cancer cells.

References:

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. 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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