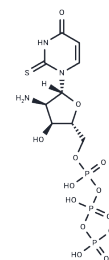


MRS2698

## Chemical Properties

CAS No. : 934014-05-8  
 Formula: C<sub>9</sub>H<sub>16</sub>N<sub>3</sub>O<sub>13</sub>P<sub>3</sub>S  
 Molecular Weight: 499.22  
 Storage: 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	MRS2698 is an effective and highly selective agonist of the P2Y2 receptor (EC50: 8 nM). MRS2698 also is >300-fold P2Y2-selective versus the P2Y4 and P2Y6 receptors.
Targets(IC50)	Epigenetic Reader Domain
In vitro	MRS2698, the 2'-amino-2-thio derivative of UTP, is a highly effective and selective P2Y2R agonist, exhibiting a potency six times greater than the endogenous agonist UTP[1][2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0031 mL	10.0156 mL	20.0312 mL
5 mM	0.4006 mL	2.0031 mL	4.0062 mL
10 mM	0.2003 mL	1.0016 mL	2.0031 mL
50 mM	0.0401 mL	0.2003 mL	0.4006 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

- Ivanov AA, et al. Molecular modeling of the human P2Y2 receptor and design of a selective agonist, 2'-amino-2'-deoxy-2-thiouridine 5'-triphosphate. J Med Chem. 2007 Mar 22;50(6):1166-76.  
 Rafahi M, et al. Tools and drugs for uracil nucleotide-activated P2Y receptors. Pharmacol Ther. 2018 Oct;190:24-80.

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