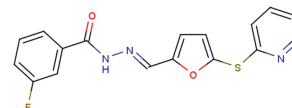


MLS000544460

## Chemical Properties

CAS No.: 352336-36-8  
Formula: C<sub>17</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>2</sub>S  
Molecular Weight: 341.36  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	MLS000544460 is a highly selective and reversible Eya2 phosphatase inhibitor (K <sub>d</sub> : 2.0 μM , IC <sub>50</sub> : 4 μM).
Targets(IC <sub>50</sub> )	Eya2 phosphatase: 4 μM
In vitro	When Eya2 ED is dialyzed into 10 μM EDTA to remove Mg <sup>2+</sup> , it binds MLS000544460 with a higher affinity (K <sub>d</sub> =0.80 μM), indicating that this class of compounds does not require Mg <sup>2+</sup> for its interaction with the Eya2 ED[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.929 mL	14.647 mL	29.295 mL
5 mM	0.586 mL	2.929 mL	5.859 mL
10 mM	0.293 mL	1.465 mL	2.929 mL
50 mM	0.059 mL	0.293 mL	0.586 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Krueger AB, et al. Allosteric inhibitors of the Eya2 phosphatase are selective and inhibit Eya2-mediated cellmigration. J Biol Chem. 2014 Jun 6;289(23):16349-61.

Inhibitors · Natural Compounds · Compound Libraries

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