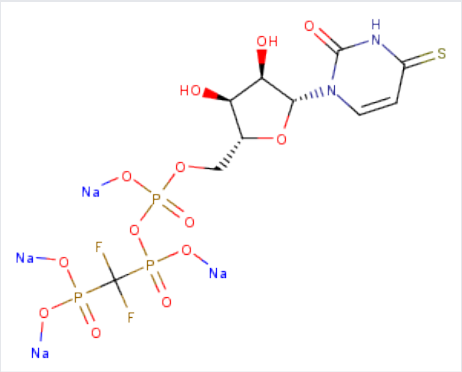
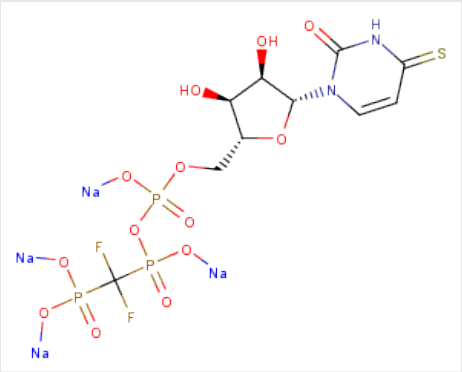
# PSB-1114 Inhibitor – Tetrasodium

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | PSB-1114 tetrasodium, Inhibitor |
| **Full Product Name** | PSB-1114 tetrasodium |
| **Product Gene Name** | PSB-1114, inhibitor |
| **Purity/Purification** | 98% |
| **Preparation and Storage** | Powder: -2 degree C for 3 years<br>In solvent: -80 degree C for 2 years |
| **Molecular Weight** | 622.14 |
| **SMILES** | O[C@H]1[C@@H](O)[C@@H](O[C@@H]1COP(=O)(O[Na])OP(=O)(O[Na])C(F)(F)P(=O)(O[Na])O[Na])n1ccc(=S)[nH]c1=O |
| **Formula** | C10H11F2N2Na4O13P3S |
| **CAS Number** | 1657025-60-9 |
| **Target** | P2 Receptor<br>P2Y2 receptor: (EC50)134nM, P2Y6 receptor: 7.0uM (EC50), P2Y4 receptor: 9.3uM (EC50) |
| **Solubility** | (<1mg/mL refers to the product slightly soluble or insoluble) |
| **In_vitro** | PSB-1114 may be a useful pharmacological tool for studying P2Y2 receptors. PSB-1114 (4-Thio-beta,gamma-difluoromethylene-UTP) shows >60-fold selectivity versus P2Y4 and P2Y6 receptors. Because of its high potency, selectivity, and expected metabolic stability toward ectonucleotidases, in particular NTPDases [1]. |
| **Product Categories/Family for PSB-1114, inhibitor** | Neuroscience |
| **Related Product Information for PSB-1114, inhibitor** | PSB-1114 tetrasodium shows >50-fold selectivity versus the P2Y4 (EC50: 9.3uM) and P2Y6 (EC50: 7.0uM) receptors. PSB-1114 tetrasodium is an effective, enzymatically stable, and subtype-selective P2Y2 receptor agonist (EC50: 134nM). |
| **Product References and Citations for PSB-1114, inhibitor** | 1 El-Taye A e al Structura modification ofuMP UDP an UT leadin t subtype-selectiv agonist fo P2Y2 P2Y4 an P2Y receptors Me Chem 201 Ap 28 4(8):2878-90.<br>2 Rafeh M e al Tool an drug fo uraci nucleotide-activate P2 receptors Pharmaco Ther 201 Oct 90:24-80. |
| **Other Notes** | Small volumes of PSB-1114, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for PSB-1114 purchase** | MBS5769890 is an inhibitor targeting PSB-1114. Also known as PSB-1114 tetrasodium. |



**Structure of PSB-1114, inhibitor**
PSB-1114 tetrasodium, CAS 1657025-60-9



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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/psb-1114-tetrasodium/5769890