

PSB 0474

## Chemical Properties

CAS No.:	917567-60-3
Formula:	C <sub>17</sub> H <sub>18</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>13</sub> P <sub>2</sub>
Molecular Weight:	566.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	P2Y6 receptor agonist
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## Solubility Information

Solubility	H <sub>2</sub> O: <10mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.766 mL	8.83 mL	17.66 mL
5 mM	0.353 mL	1.766 mL	3.532 mL
10 mM	0.177 mL	0.883 mL	1.766 mL
50 mM	0.035 mL	0.177 mL	0.353 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

- Escoubas P, De Weille JR, Lecoq A, Diochot S, Waldmann R, Champigny G, Moinier D, Ménez A, Lazdunski M. Isolation of a tarantula toxin specific for a class of proton-gated Na<sup>+</sup> channels. *J Biol Chem*. 2000 Aug 18;275(33):25116-21.
- Escoubas P, Bernard C, Lambeau G, Lazdunski M, Darbon H. Recombinant production and solution structure of PcTx1, the specific peptide inhibitor of ASIC1a proton-gated cation channels. *Protein Sci*. 2003 Jul;12(7):1332-43.
- Salinas M, Rash LD, Baron A, Lambeau G, Escoubas P, Lazdunski M. The receptor site of the spider toxin PcTx1 on the proton-gated cation channel ASIC1a. *J Physiol*. 2006 Jan 15;570(Pt 2):339-54. Epub 2005 Nov 10.
- Mazucca M, Heurteaux C, Alloui A, Diochot S, Baron A, Voilley N, Blondeau N, Escoubas P, Gélot A, Cupo A, Zimmer A, Zimmer AM, Eschalier A, Lazdunski M. A tarantula peptide against pain via ASIC1a channels and opioid mechanisms. *Nat Neurosci*. 2007 Aug;10(8):943-5. Epub 2007 Jul 15.

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