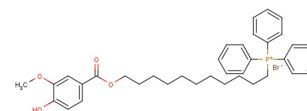


## Mito-apocynin (C11)

**Chemical Properties**

CAS No.:	1254044-38-6
Formula:	C37H44BrO4P
Molecular Weight:	663.62
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Mito-apocynin (C11) is an orally active mitochondria-targeted triphenylphosphonium (TPP)-based compound.
Targets(IC <sub>50</sub> )	Others: None
In vivo	Mito-apocynin-C11 markedly improves the coordinated motor function and olfactory function in LRRK2R1441G mice[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	1.507 mL	7.534 mL	15.069 mL
5 mM	0.301 mL	1.507 mL	3.014 mL
10 mM	0.151 mL	0.753 mL	1.507 mL
50 mM	0.03 mL	0.151 mL	0.301 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. Dranka BP, et al. A novel mitochondrially-targeted apocynin derivative prevents hyposmia and loss of motor function in the leucine-rich repeat kinase 2 (LRRK2(R1441G)) transgenic mouse model of Parkinson's disease. *Neurosci Lett*. 2014 Nov 7;583:159-64.

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