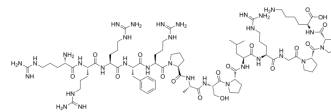


## DYRKtide

**Cat. No.:** HY-P5430  
**CAS No.:** 2250228-51-2  
**Molecular Formula:** C<sub>79</sub>H<sub>135</sub>N<sub>31</sub>O<sub>17</sub>  
**Molecular Weight:** 1791.11  
**Sequence:** Arg-Arg-Arg-Phe-Arg-Pro-Ala-Ser-Pro-Leu-Arg-Gly-Pro-Pro-Lys  
**Sequence Shortening:** RRRFRPASPLRGPPK  
**Target:** Others  
**Pathway:** Others  
**Storage:** Sealed storage, away from moisture  
 Powder -80°C 2 years  
 -20°C 1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (55.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		0.5583 mL	2.7916 mL	5.5831 mL
	5 mM		0.1117 mL	0.5583 mL	1.1166 mL
	10 mM		0.0558 mL	0.2792 mL	0.5583 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

DYRKtide is a biological active peptide. (Dyrktide is designed as the optimal substrate sequence efficiently phosphorylated by DYRK1A, which is a dual-specificity protein kinase that is thought to be involved in brain development.)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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