

5-FAM-Dyrktide

Cat. No.:	HY-P3992
Molecular Formula:	C ₁₀₀ H ₁₄₅ N ₃₁ O ₂₃
Molecular Weight:	2149.42
Sequence Shortening:	{5-FAM-Arg}-RRFRPASPLRGPPK
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	5-FAM-Dyrktide is a 5-FAM labeled Dyrktide. Dyrktide, a substrate, is efficiently phosphorylated by DYRK1A ($K_m=35 \mu\text{M}$) but not by ERK2 ^{[1][2]} .
In Vitro	CDK6/cyclin D1 reactions monitor the phosphorylation of 3 μM 5-FAM-Dyrktide ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. S Himpel, et al. Specificity determinants of substrate recognition by the protein kinase DYRK1A. J Biol Chem. 2000 Jan 28;275(4):2431-8.
- [2]. Kevin D Freeman-Cook, et al. Discovery of PF-06873600, a CDK2/4/6 Inhibitor for the Treatment of Cancer. J Med Chem. 2021 Jul 8;64(13):9056-9077.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA