

C21

Cat. No.:	HY-P1182
CAS No.:	1229236-78-5
Molecular Formula:	C ₉₀ H ₁₆₁ ClN ₃₆ O ₂₄
Molecular Weight:	2166.92
Sequence:	Ac-Ser-Gly-[N5-(2-Chloro-1-iminoethyl)]-Orn-Gly-Lys-Gly-Gly-Lys-Gly-Leu-Gly-Lys-Gly-Gly-Ala-Lys-Arg-His-Arg-Lys
Sequence Shortening:	Ac-SG-[N5-(2-Chloro-1-iminoethyl)]-Orn-GKGGKGLGKGGAKRHRKV
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	C21 is a potent, irreversible, and selective PRMT1 inhibitor with an IC ₅₀ of 1.8 μM. C21 inhibits PRMT6 with an IC ₅₀ of 8.8 μM [1].
IC ₅₀ & Target	IC ₅₀ : 1.8 μM (PRMT1); 8.8 μM (PRMT6) ^[1]

REFERENCES

[1]. Obiamaka Obianyo, et al. A chloroacetamidine-based inactivator of protein arginine methyltransferase 1: design, synthesis, and in vitro and in vivo evaluation. Chembiochem. 2010 Jun 14;11(9):1219-23.

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

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