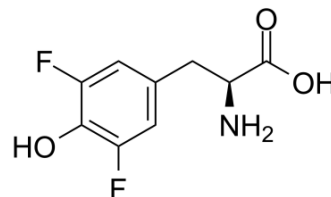


3,5-Difluoro-L-tyrosine

Cat. No.:	HY-136595
CAS No.:	73246-30-7
Molecular Formula:	C ₉ H ₉ F ₂ NO ₃
Molecular Weight:	217.17
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

3,5-Difluoro-L-tyrosine is a functional, tyrosinase-resistant mimetic of tyrosine. 3,5-Difluoro-L-tyrosine can be used to analyze the substrate specificity of protein tyrosine phosphatases (PTPs)^[1].

In Vitro

3,5-Difluoro-L-tyrosine (F2Y) is a fluorinated tyrosine analog. 3,5-Difluoro-L-tyrosine is compatible with every aspect of library synthesis, screening, and sequence identification. 3,5-Difluoro-L-tyrosine is a good functional mimic of tyrosine, in terms of binding to the active site of PTPs^[1].

REFERENCES

[1]. Bhaskar Gopishetty, et al. Synthesis of 3,5-difluorotyrosine-containing peptides: application in substrate profiling of protein tyrosine phosphatases. *Org Lett.* 2008 Oct 16;10(20):4605-8.

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