

## PDGFR Y1021 peptide (non-phosphorylation)

Cat. No.:	HY-P10119
CAS No.:	205173-94-0
Molecular Formula:	C <sub>64</sub> H <sub>98</sub> N <sub>14</sub> O <sub>21</sub>
Molecular Weight:	1399.54
Sequence:	Asp-Asn-Asp-Tyr-Ile-Ile-Pro-Leu-Pro-Asp-Pro-Lys
Sequence Shortening:	DNDYIPLPDPK
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

PDGFR Y1021 peptide (non-phosphorylation) is the non-phosphorylated fragment of platelet-derived growth factor receptor (PDGFR). PDGFR Y1021 peptide (non-phosphorylation) blocks the PLC $\gamma$  association to PDGFR through PLC $\gamma$ SH2 domain, and thus inhibits mitogenic response<sup>[1]</sup>.

### REFERENCES

[1]. Valius M, et al., Tyrosines 1021 and 1009 are phosphorylation sites in the carboxy terminus of the platelet-derived growth factor receptor beta subunit and are required for binding of phospholipase C gamma and a 64-kilodalton protein, respectively. Mol Cell Biol. 1993 Jan;13(1):133-43.

**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