

Rev03  
Update: Feb,10,2022

**DATASHEET**

# Gly-Arg-Gly-Asp-Asn-Pro

Cat. No.: RP10847

## Overview

<b>Synonyms</b>	GRGDNP; GLY-ARG-GLY-ASP-ASN-PRO
<b>Description</b>	G-R-G-D-N-P is a superior inhibitor of cell attachment to fibronectin and a weak inhibitor of cell attachment to vitronectin. It also inhibits binding of fibrinogen, fibronectin, vitronectin and von Willebrand factor to platelets and resists to carboxypeptidases. G-R-G-D-N-P induces apoptosis in various cell types and cell lines at 1mM by a mechanism involving cellular uptake and possible direct stimulation of procaspase-3 autoprocessing. It contains the motif RGD (Arg-Gly-Asp) which is found in many integrin ligands. G-R-G-D-N-P inhibits cell adhesion to fibronectin 80-90% at 1 mM.
<b>Cas No</b>	114681-65-1
<b>Sequence</b>	{GLY}{ARG}{GLY}{ASP}{ASN}{PRO}
<b>Sequence Shortening</b>	GRGDNP
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>38</sub> N <sub>10</sub> O <sub>10</sub>
<b>Molecular Weight</b>	614.6

## Properties

<b>Purity</b>	> 95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Keep tightly closed. Store in a cool dry place.