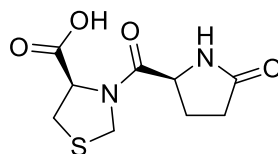


## Pidotimod

Code No.: **BIA-P2983**

Pack sizes: **1 mg, 5 mg**



Synonyms :

## Specifications

|                   |  |
|-------------------|--|
| CAS #             | : 121808-62-6  |
| Molecular Formula | : C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S |
| Molecular Weight  | : 244.3  |
| Source            | : Synthetic  |
| Appearance        | : White solid  |
| Purity            | : >95% by HPLC   |
| Long Term Storage | : -20°C  |
| Solubility        | : Soluble in ethanol, methanol, DMF or DMSO.                     |

## Application Notes

Pidotimod is a pseudopeptide synthesised and patented by Poli Industria Chimica, Italy in 1989 with immunostimulatory, anti-inflammatory and anti-ageing properties. Pidotimod is a fusion of L-pyroglutamate with thioproline. Pidotimod is used clinically for immunomodulation.

## References

1. A process for the preparation of 3-(L-pyroglutamate)-L-thiazolidine-4-carboxylic acid derivatives. Poli S. & DelCorona L. European Patent Organization, EP422566 A1 1991-04-17.
2. Immunopharmacology of Pidotimod: effect on natural killer cell activity and thymocyte cell death. Migliorati G. et al. Pharmacol Res. 1992, 26 Suppl 2, 154.
3. Effect of Pidotimod on production of pro- and anti-inflammatory cytokines ex vivo. Grigoryan S. & Ivanova A. Curr Pediat. 2011, 10, 129.