



LKT Laboratories, Inc.

Pidotimod

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID P3313

CAS No. 121808-62-6

Chemical Name (R)-3-((S)-5-Oxopropyl)-4-thiazolidinecarboxylic acid

Synonym Axil, Onaka, Pigitil, Polimod

Formula C₉H₁₂N₂O₄S

Formula Wt. 244.27

Melting Point 194-198°C

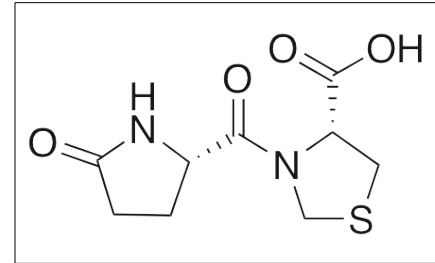
Purity ≥98%

Solubility Soluble in water (37.8 g/L),
methanol (13.8 g/L),
ethanol (4.4 g/L), and DMF
(72.4g/L).

Store Temp Ambient

Ship Temp Ambient

Description Pidotimod is an immunostimulatory compound often used as an adjuvant. Pidotimod is clinically used to treat acute respiratory tract infections and stimulates both cellular and humoral immunity. In animal models of *Toxoplasma* infection, pidotimod increases levels of Th1 cytokines and decreases parasite burden, improving survival rates, survival times, and liver histopathology. Pidotimod also promotes maturation of dendritic cells, upregulating expression of CD83 and CD86.



Bulk quantities available upon request

Product ID	Size
P3313	250 mg
P3313	1 g
P3313	5 g
P3313	10 g

References Zuccotti GV, Mameli C. Pidotimod: the past and the present. *Ital J Pediatr.* 2013 Dec 6;39:75. PMID: 24314100.

Zhao Y, Huang B, Huang S, et al. Evaluation of the adjuvant effect of pidotimod on the immune protection induced by UV-attenuated *Toxoplasma gondii* in mouse models. *Parasitol Res.* 2013 Sep;112(9):3151-60. PMID: 23783399.

Giagulli C, Noerder M, Avolio M, et al. Pidotimod promotes functional maturation of dendritic cells and displays adjuvant properties at the nasal mucosa level. *Int Immunopharmacol.* 2009 Nov;9(12):1366-73. PMID: 19712757.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.