# Product Data Sheet

Product Name: PAD4-IN-2 TFA
Cat. No.: GC73542

## Chemical Properties

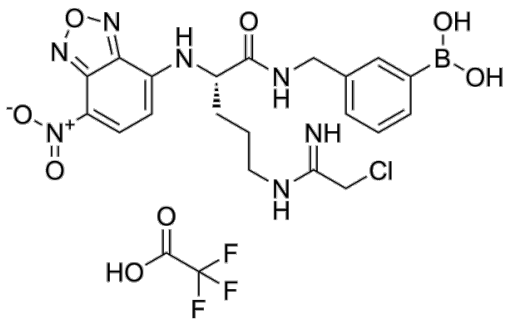
Cas. No.

| | | | |
|---|---|---|---|
| Formula | $C_{22}H_{24}BClF_3N_7O_8$ | M.Wt | 617.73 |
| Solubility | DMSO : 100 mg/mL (161.88 mM; Need ultrasonic) | Storage | 4°C, sealed storage, away from moisture |

General tips: For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.

Shipping Condition: Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



## Background

PAD4-IN-2 (compound 5i) TFA is a PAD4 inhibitor (IC50=1.94 μM). PAD4-IN-2 TFA inhibits tumor growth in mice by specifically inhibiting the PAD4-H3cit-NETs pathway in neutrophils.

***Caution: Product has not been fully validated for medical applications. For research use only.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***

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References:

[1]. Zhu D, et al. Highly-tumor-targeted PAD4 inhibitors with PBA modification inhibit tumors in vivo by specifically inhibiting the PAD4-H3cit-NETs pathway in neutrophils. Eur J Med Chem. 2023 Oct 5;258:115619.

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