
Product Data Sheet

Product Name: PAD-IN-2
Cat. No.: GC67873

Chemical Properties

Cas. No. 2304852-21-7

Formula $C_{27}H_{28}ClN_5O_2$ M.Wt 490

Solubility DMSO : 70 mg/mL (142.86 mM; Need ultrasonic) Storage Store at -20°C

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

PAD-IN-2 is a potent **pad4** inhibitor (**IC₅₀**: <1 μM). PAD-IN-2 can be used in the research of auto-immune diseases and cancers, such as rheumatoid arthritis, vasculitis, systemic lupus erythematosus, cutaneous lupus erythematosus, ulcerative colitis, cystic fibrosis, asthma, multiple sclerosis and psoriasis^[1].

PAD-IN-2 (Example-57, 1 h) inhibits PAD4 activity with an IC₅₀ value <1 μM (determined by ammonia release biochemical assay)^[1].

[1]. Hallur, Gurulingappa, et al. Heterocyclic compounds as pad4 inhibitors. Patent WO2019058393 A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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