

Product Data Sheet

Product Name: TPN729MA

Cat. No.: GC70431

Chemical Properties

Cas. No. 1422955-52-9

Formula C₂₉H₄₀N₆O₈S

M.Wt 632.73

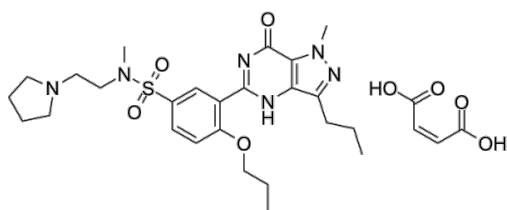
Solubility DMSO : 25 mg/mL (39.51 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage 4°C, sealed storage, away from
moisture and light

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



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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

TPN729MA (TPN729 maleate) is a selective phosphodiesterase type 5 (PDE5) inhibitor with an IC₅₀ value of 2.28 nM. TPN729MA affects erectile function and it can be used for the research of erectile dysfunction.

TPN729MA (1.25, 2.5 and 5.0 mg/kg; intraduodenal injection, once) increases intracavernous pressure/blood pressure (ICP/BP) with the dose of 5.0 mg/kg at all time points and with the dose of 2.5 mg/kg at 75, 90, 105, and 120 minutes time points^[1].

TPN729MA (5.0 µg/kg, i.v., once) significantly increases ICP and ICP/BP of male Beagle dogs^[1].

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