

Product Data Sheet

Product Name: TP0597850

Cat. No.: GC71038

Chemical Properties

Cas. No. 2642181-22-2

Formula $C_{41}H_{57}N_9O_{13}S$ M.Wt 916.01

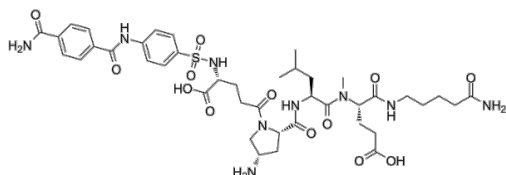
Solubility DMSO : 100 mg/mL (109.17 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage -20°C, protect from light, stored
under nitrogen

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

TP0597850 is a selective inhibitor of MMP2 (IC₅₀=0.22 nM). TP0597850 has a long MMP2 dissociation half-life (t_{1/2}=265 min).

TP0597850 (compound 18) exhibits extremely high chemical stability under a wide range of pH

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

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conditions^[1].

TP0597850 shows an inhibition constant against MMP2 with a K_i value of 0.034 nM ^[1].

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