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**Product Data Sheet**

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Product Name: PPDA  
Cat. No.: GC10247

**Chemical Properties**

Cas. No. 684283-16-7

Chemical Name (2R,3S)-1-(phenanthrene-2-carbonyl)piperazine-2,3-dicarboxylic acid

SMILES O=C(N1CCN[C@@](C(O)=O)([H])[C@]1([H])C(O)=O)C2=CC=C3C(C=CC4=CC=CC=C43)=C2

Formula  $C_{21}H_{18}N_2O_5$  M.Wt 378.38

Solubility <18.92mg/ml in 2eq. NaOH; <37.84mg/ml in DMSO 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

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

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