Product Name: RF 9
CAS Number: 876310-60-0

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{26}H_{38}N_{6}O_{3}
   Batch Molecular Weight: 482.62
   Physical Appearance: White lyophilised solid
   Solubility: DMSO to 10 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

      ![Molecular Structure Image]

2. ANALYTICAL DATA

   HPLC: Shows 98% purity
   Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Description:
Selective NPFF receptor antagonist (K values are 58 and 75 nM at hNPFF₁ and hNPFF₂ receptors respectively). Displays selectivity over several related receptors including NPY Y₁, GPR10, GPR54, GPR103 and the opioid receptors. Blocks NPFF-induced hypothermia and increases in atrial blood pressure and heart rate, and prevents opioid-induced tolerance associated with hyperalgesia in vivo.

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Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 10 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: