

Product Name: JP-2-196

Catalog No.: 8046

Batch No.: 1

IUPAC Name: 1-(4-Methoxyphenyl)-4-(1-piperazinyl)-2-butene-1,4-dione hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

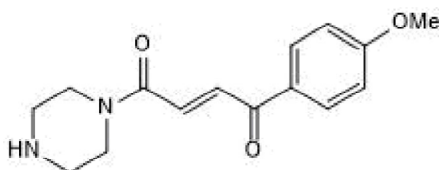
Batch Molecular Formula: C₁₅H₁₈N₂O₃.HCl

Batch Molecular Weight: 310.78

Physical Appearance: Pale yellow solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 96.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

JP-2-196 is a covalent RNF126 chemical handle that binds to several other RING E3 ubiquitin ligases including RNF14, RNF40, RNF219, MID2, and LRSAM. By facilitating E3 ligase recruitment, JP-2-196 induces proteasomal degradation of diverse target proteins. It serves as a modular scaffold for the design and synthesis of molecular glue degraders.

Physical and Chemical Properties:

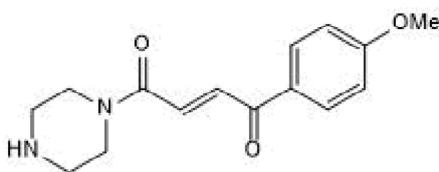
Batch Molecular Formula: C₁₅H₁₈N₂O₃.HCl

Batch Molecular Weight: 310.78

Physical Appearance: Pale yellow solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Toriki *et al* (2023) Rational chemical design of molecular glue Degradere. ACS Cent.Sci. **9** 915. PMID: 37252349.

Storage: Store at -20°C

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

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