

Product Name: PhiKan 083

Catalog No.: 4326

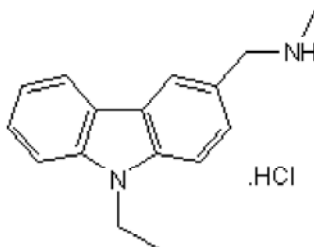
Batch No.: 1

CAS Number: 1050480-30-2

IUPAC Name: 9-Ethyl-N-methyl-9H-carbazole-3-methanamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₈N₂. HCl
Batch Molecular Weight: 274.79
Physical Appearance: White solid
Solubility: water to 50 mM
DMSO to 100 mM
ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.94	6.97	10.19
Found	70.07	7	10.23

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

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Description:

p53 stabilizing agent; preferentially binds mutated (Y220C) p53 over wild-type p53 at a site distinct from functional DNA/protein interaction regions. Slows rate of thermal denaturation of p53-Y220C.

Physical and Chemical Properties:

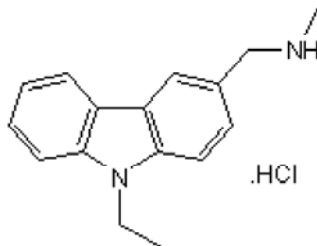
Batch Molecular Formula: C₁₆H₁₈N₂. HCl

Batch Molecular Weight: 274.79

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water to 50 mM
DMSO to 100 mM
ethanol to 50 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:

Wiman (2010) Pharmacological reactivation of mutant p53: from protein structure to the cancer patient. *Oncogene*. **29** 4245. PMID: 20498645.

Boeckler et al (2008) Targeted rescue of a destabilized mutant of p53 by an in silico screened drug. *Proc.Natl.Acad.Sci.* **105** 10360. PMID: 18650397.

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