

PhiKan 083 hydrochloride

Catalog No: tcsc0039394



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

1050480-30-2

Formula:

$C_{16}H_{19}ClN_2$

Pathway:

Apoptosis

Target:

MDM-2/p53

Purity / Grade:

>98%

Solubility:

H₂O : 2 mg/mL (7.28 mM; Need ultrasonic and warming)

Observed Molecular Weight:

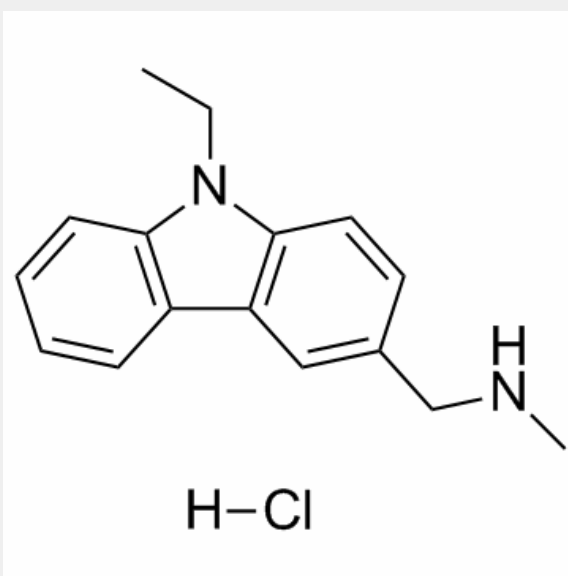
274.79

Product Description

PhiKan 083 hydrochloride is a carbazole derivative, which can stabilize **Y220C** (a **p53** mutant), with a **K_d** of 167 μM measured by NMR, used for cancer research.

IC50 & Target: K_d: 167 μM (T-p53C-Y220C)^[1]

In Vitro: PhiKan 083 hydrochloride is a stabilizer of Y220C (a p53 mutant), with a K_d of 167 μM measured by NMR. Analytical ultracentrifugation gives a K_d of 170 μM for PhiKan083, at 10°C. Isothermal titration of PhiKan083 with T-p53C-Y220C gives 1:1 stoichiometry and a K_d of 125 ± 10 μM^[1]. PhiKan083 can binds with the cavity on the surface of Y220C-mutated p53^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!