

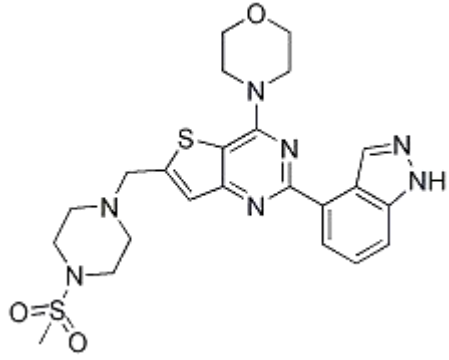


## Product Introduction

### GDC-0941

GDC-0941 is a potent inhibitor of PI3K $\alpha/\delta$  with IC<sub>50</sub> of 3 nM, with modest selectivity against p110 $\beta$  (11-fold) and p110 $\gamma$  (25-fold).

#### Technical Data:

Molecular Weight (MW):	513.64	
Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>7</sub> O <sub>3</sub> S <sub>2</sub>	
Solubility:	DMSO ≥ 44 mg/mL Water < 1 mg/mL Ethanol < 1 mg/mL	
Purity:	> 99%	
Storage:	at -20°C 2 years	
CAS No.:	957054-30-7	

#### Biological Activity

GDC-0941 against p110 $\alpha$  IC<sub>50</sub>=0.003 $\mu$ M, U87MG IC<sub>50</sub>=0.95 $\mu$ M, A2780 IC<sub>50</sub>=0.14  $\mu$ M, and in vitro metabolic stability in mouse and human is 91.96%. The inhibitions of U87MG, PC3, MDA-MB-361 cancer cell proliferation are (IC<sub>50</sub>) 0.95, 0.28, 0.72  $\mu$ M, respectively.

#### References

- [1] Folkes AJ, et al. J Med Chem, 2008, 51(18), 5522-5532.
- [2] Junttila TT, et al. Cancer Cell, 2009, 15(5), 429-440.
- [3] Haagensen EJ, et al. Br J Cancer, 2012, 106(8), 1386-1394.
- [4] García-Martínez JM, et al. Br J Cancer, 2011, 104(7), 1116-1

