

## GDC-0980 (RG7422)

Cat. No. CEI-0835

Lot. No. (See product label)

### Introduction

**Description** GDC-0980 (RG7422) is a potent, class I PI3K inhibitor for PI3K $\alpha$ / $\beta$ / $\delta$ / $\gamma$  with IC<sub>50</sub> of 5 nM/27 nM/7 nM/14 nM, respectively. Also a mTOR inhibitor with K<sub>i</sub> of 17 nM, and highly selective versus others PIKK family kinases. Phase 2.

### Product Information

**CAS No.** 1032754-93-0

**Molecular Formula** C<sub>23</sub>H<sub>30</sub>N<sub>8</sub>O<sub>3</sub>S

**Chemical Name** (S)-1-(4-((2-(2-aminopyrimidin-5-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-6-yl)methyl)piperazin-1-yl)-2-hydroxypropan-1-one

**Molecular Weight** 498.6

**Targets** PI3K $\alpha$ , PI3K $\beta$ , PI3K $\delta$ , PI3K $\gamma$ , mTOR

**IC<sub>50</sub>** 5 nM; 27 nM; 7 nM; 14 nM; 17 nM (K<sub>i</sub>)

**Solubility** DMSO 20 mg/mL; Water <1 mg/mL; Ethanol <1 mg/mL

### Storage and Shipping Information

**Storage** 2 years -20 centigrade Powder; 2 weeks 4 centigrade in DMSO; 6 months -80 centigrade in DMSO.