

## R547

Cat. No. CEI-0920

Lot. No. (See product label)

### Introduction

**Description** R547 is a potent ATP-competitive inhibitor of CDK1/2/4 with  $K_i$  of 2 nM/3 nM/1 nM. It is less potent to CDK7 and GSK3 $\alpha/\beta$ , while inactive to other kinases.

### Product Information

**CAS No.** 741713-40-6

**Molecular Formula** C<sub>18</sub>H<sub>21</sub>F<sub>2</sub>N<sub>5</sub>O<sub>4</sub>S

**Chemical Name** (4-amino-2-(1-(methylsulfonyl)piperidin-4-ylamino)pyrimidin-5-yl)(2,3-difluoro-6-methoxyphenyl)methanone

**Molecular Weight** 441.45

**Targets** CDK

**IC<sub>50</sub>** 80 nM

**Solubility** DMSO 60 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.