

## BI-D1870

Cat. No. CEI-0902

Lot. No. (See product label)

### Introduction

**Description** BI-D1870 is an ATP-competitive inhibitor of S6 ribosome for RSK1/2/3/K4 with IC50 of 31 nM/24 nM/18 nM/15 nM, respectively; 10- to 100-fold selectivity for RSK than MST2, GSK-3 $\beta$ , MARK3, CK1 and Aurora B.

### Product Information

**CAS No.** 501437-28-1

**Molecular Formula** C19H23F2N5O2

**Chemical Name** 6(5H)-Pteridinone, 2-[(3,5-difluoro-4-hydroxyphenyl)amino]-7,8-dihydro-5,7-dimethyl-8-(3-methylbutyl)-

**Molecular Weight** 391.42

**Targets** RSK1, RSK2, RSK3, RSK4

**IC50** 31 nM; 24 nM; 18 nM; 15 nM

**Solubility** DMSO 78 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.