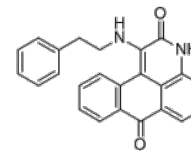


**Product Name** : BRD 7389  
**Cat. No.** : PC-62045  
**CAS No.** : 376382-11-5  
**Molecular Formula** : C<sub>24</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 366.4  
**Target** : Ribosomal S6 Kinase (RSK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

BRD 7389 is an inhibitor of ribosomal S6 kinases (**RSK**) with IC<sub>50</sub> of 1.5 μM, 2.4 μM, and 1.2 μM for RSK1, RSK2, and RSK3, respectively.

BRD 7389 inhibits not only RSK enzymes, but also members of several other kinase families.

BRD 7389 causes alpha-cells to adopt several morphological and gene expression features of a beta-cell state.

BRD 7389 also blocks carbachol-stimulated cell proliferation in SNU-407 cells.

## References

Fomina-Yadlin D, et al. *Proc Natl Acad Sci U S A*. 2010 Aug 24;107(34):15099-104.

Bain J, et al. *Biochem J*. 2007 Dec 15; 408(3):297-315.

Park YS, et al. *Mol Cell Biochem*. 2012 Nov;370(1-2):191-8.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com