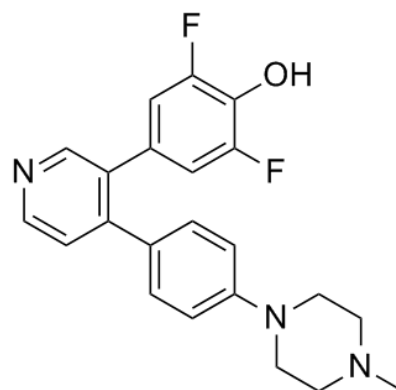


**Product Name** : LJH-685  
**Cat. No.** : PC-45677  
**CAS No.** : 1627710-50-2  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>F<sub>2</sub>N<sub>3</sub>O  
**Molecular Weight** : 381.4185  
**Target** : Ribosomal S6 Kinase (RSK)  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

LJH-685 (LJH685) is a potent and specific **pan-RSK** inhibitor with IC<sub>50</sub>s of 6 nM, 5 nM and 4 nM for RSK1, RSK2 and RSK3 respectively.

LJH-685 (LJH685) inhibits Y-box binding protein-1 (YB-1) Ser102 phosphorylation (EC<sub>50</sub>=0.2-0.3 μM) in MDA-MB-231 cancer cells.

## References

Jain R, et al. *J Med Chem*. 2015 Sep 10;58(17):6766-83.

Aronchik I, et al. *Mol Cancer Res*. 2014 May;12(5):803-12.

Davies AH, et al. *Oncotarget*. 2015 Aug 21;6(24):20570-7.

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

E-mail: tech@probechem.com