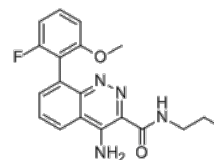


**Product Name** : AZD7325  
**Cat. No.** : PC-62090  
**CAS No.** : 942437-37-8  
**Molecular Formula** : C<sub>19</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 354.385  
**Target** : GABA Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

AZD7325 is a potent,  $\alpha$ 2/3 functionally selective, partial **GABAA** receptor positive allosteric modulator with pK<sub>i</sub> of 9.51. AZD7325 exerts neutral antagonism at the  $\alpha$ 1-subunit and partial efficacy at the  $\alpha$ 2,3-subunits over the  $\alpha$ 5-subunit. AZD7325 is expected to reduce the risk for the benzodiazepine like side effects, such as sedation and cognitive effects, and shows potential for the treatment of anxiety.

## References

- Chen X, et al. *Br J Clin Pharmacol*. 2014 Dec;78(6):1298-314.  
Zhou D, et al. *Br J Clin Pharmacol*. 2012 Jul;74(1):98-108.  
Jucaite A, et al. *Psychopharmacology (Berl)*. 2017 Feb;234(4):707-716.  
Alhambra C, et al. *Bioorg Med Chem*. 2011 May 1;19(9):2927-38.

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

E-mail: tech@probechem.com