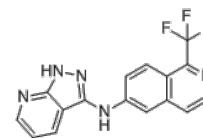


**Product Name** : VU0652957  
**Cat. No.** : PC-35879  
**CAS No.** : 1976050-09-5  
**Molecular Formula** : C<sub>16</sub>H<sub>10</sub>F<sub>3</sub>N<sub>5</sub>  
**Molecular Weight** : 329.286  
**Target** : mGluR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0652957 (VU2957, Valiglurax) is a potent, selective **mGlu4** positive allosteric modulator (PAM) with EC<sub>50</sub> of 64.6 nM in calcium mobilization human mGlu4/Gqi5 assays.

VU0652957 (VU2957, Valiglurax) shows excellent pharmacokinetics across species (low CLps, %F > 35%), an acceptable CYP profile (>30 uM vs. 3A4, 2D6 and 2C9, 12.5 uM vs. 2C19 and 1.5 uM vs. 1A2), no CYP induction or timedependent inhibition and excellent metabolite coverage across species.

VU0652957 (VU2957, Valiglurax) also shows attractive predicted human PK parameters (CLps 5-9 mL/min/kg, Vds 1-2 L/kg and t<sub>1/2</sub> 2-4 hours).

## References

Panarese JD, et al. *Bioorg Med Chem Lett*. 2018 Nov 1. pii: S0960-894X(18)30853-9.

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

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