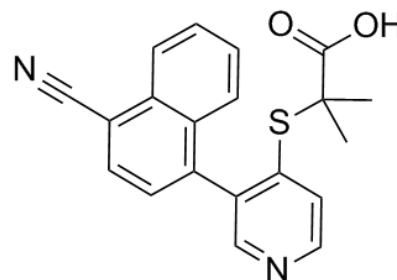


**Product Name** : Verinurad  
**Cat. No.** : PC-45065  
**CAS No.** : 1352792-74-5  
**Molecular Formula** : C<sub>20</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 348.4182  
**Target** : URAT1  
**Solubility** : 10 mM in DMSO



## Biological Activity

A highly potent and specific URAT1 inhibitor with IC<sub>50</sub> of 25 nM; displays 200-fold lower affinity for the related URAT1 homologs OAT4 and OAT1; reduces the sUA by up to 60% with a single 40 mg dose in healthy human volunteers, and increases the FEUA in a dose-dependent manner with EC<sub>50</sub> of 22 nM; currently in phase 2 trials for the treatment of gout and asymptomatic hyperuricemia.

Gout

Phase 2 Clinical

## References

Tan PK, et al. Sci Rep. 2017 Apr 6;7(1):665.

Shen Z, et al. Drug Des Devel Ther. 2017 Jul 7;11:2077-2086.

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

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