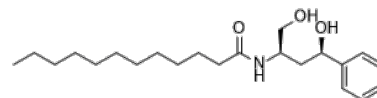


**Product Name** : HPA-12  
**Cat. No.** : PC-23326  
**CAS No.** : 383418-30-2  
**Molecular Formula** : C<sub>22</sub>H<sub>37</sub>NO<sub>3</sub>  
**Molecular Weight** : 363.54  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

HPA-12 is a small molecule inhibitor of ceramide trafficking/ceramide transporter (CERT), inhibits sphingomyelin biosynthesis.

HPA-12 inhibits conversion of ceramide to SM, but not to glucosylceramide, in Chinese hamster ovary cells.

HPA-12 does not inhibit the activity of sphingomyelin (SM) synthase.

## References

Charruyer A, et al. J Biol Chem. 2008 Jun 13;283(24):16682-92.

Nakamura Y, et al. J Med Chem. 2003 Aug 14;46(17):3688-95.

Yasuda S, et al. J Biol Chem. 2001 Nov 23;276(47):43994-4002.

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

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