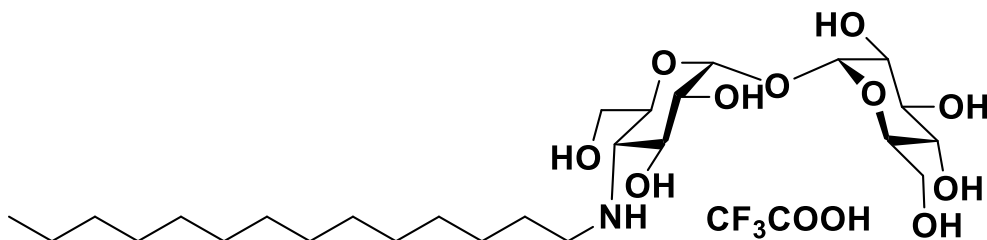


## PRODUCT DATA SHEET

### IMCTA-C14 (trifluoroacetate)

(high protein extraction and solubilization activities)



### Specifications

Code No.	: 15613
CAS#	: not assigned
Molecular Formula	: $C_{26}H_{51}F_3NO_{10} \cdot CF_3COOH$
Molecular Weight	: 651.714
Source	: Chemically synthesized from 4-trehalosamine
Supplied as	: Powder
Purity	: >90 % (qNMR)
Long Term Storage	: at -20 °C
Solubility	: Soluble in MeOH, DMSO and H <sub>2</sub> O

### Application Notes

IMCTA-C14 is a *N*-tetradecyl derivative of 4-trehalosamine which was stable against mammalian trehalase digestion and was not hydrolyzed by a purified porcine trehalase.<sup>1)</sup> It has high protein extraction and solubilization activities without an obvious protein-denaturing activity.<sup>1)</sup>

### References

- 1) Rediscovery of 4-trehalosamine as biologically stable, mass-producible, and chemically modifiable trehalose analog.  
Wada S, *et al. Adv Biol.* 2022 **6** 2101309.