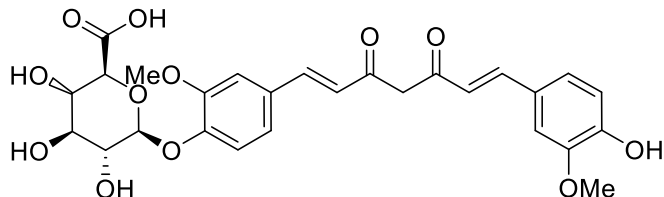


Curcumin-β-D-Glucuronide MS Standard

Lyophilized powder, 100 µg, ≥94% pure by HPLC

Product Number: **CM16001**

CAS Registration Number: 227466-72-0



Product Description

Curcumin-β-D-glucuronide is the major metabolite of curcumin, which is the major component of turmeric, a yellow-orange pigment used extensively in traditional Indian cooking and Ayurvedic herbal remedies. Curcumin has a wide range of biological and pharmacological activities, including anti-oxidant, anti-inflammatory, and anti-cancer effects. Curcumin-β-D-glucuronide is not very stable in aqueous solution and is very difficult to obtain as a high purity product. CellMosaic's Curcumin-β-D-glucuronide is a high purity product that can serve as a standard for LC-MS/MS analysis. CellMosaic's product has been used extensively in Dr. Liu's lab at Ohio State University to establish the LC-MS method (see references 1 and 2).

Application

- Standard for LC-MS/MS analysis of the metabolite.

References

- 1) Chen W. *et al.* (2012). A liquid chromatography-Tandem mass spectrometric method for quantification of curcumin-O-glucuronide and curcumin in human plasma. *J Chromatogr B Analyt Technol Biomed Life Sci.* 900, 89-93.
- 2) Cao Y. *et al.* (2014). A high-throughput quantification method of curcuminoids and curcumin metabolites in human plasma via high-performance liquid chromatography/tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 15, 70-78.