



STRUCTURAL
CHEMISTRY

Volume 75 (2019)

Supporting information for article:

A threefold superstructure of the anti-epileptic drug phenytoin sodium as a mixed methanol solvate hydrate

Harsh S. Shah, Kaushalendra Chaturvedi, Matthias Zeller, Simon Bates and Kenneth Morris

Date: 7/3/2019 Time: 5:32:20 PM

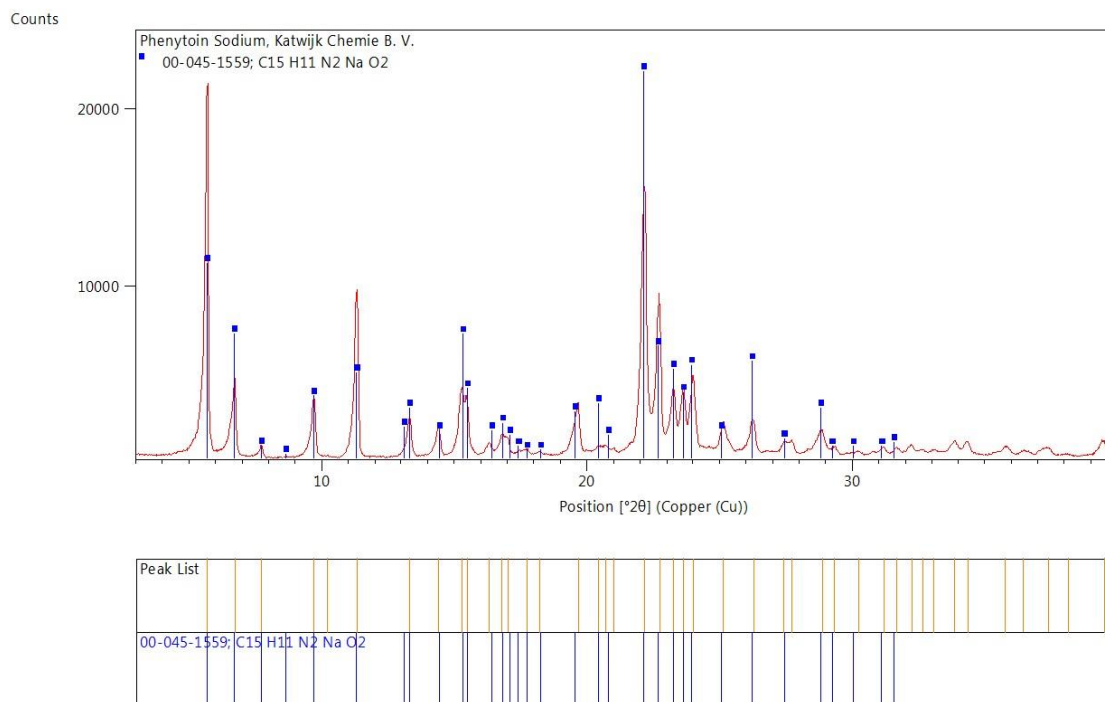


Figure S1. Multicrystalline XRD pattern of sodium phenytoin (Katwijk Chemie B.V., Katwijk aan Zee, Netherlands, certificate number R0-CEP 2015-151-Rev 00, CAS number 630-93-3) and match (blue lines) against ICDD 00-045-1559 (ICDD, 2018), Form III reported by Krc & Oviedo (1993, 1994).

Multicrystalline XRD patterns of sodium phenytoin were obtained using a SmartLab® wide-angle X-ray diffractometer (Rigaku Corporation, Austin, TX). Cu K- α radiation was generated at 44 kV and 40 mA. Sample (500–600 mg) was placed in 2 mm deep aluminum cell and leveled with a glass slide. The sample was scanned from 3 to 40° 2 θ at a step size of 0.01°, and a scan speed of 1°/min with a spin rate of 15 rpm in the Bragg Brentano geometry.