

A 1:2 cocrystal of genistein with isonicotinamide: crystal structure and Hirshfeld surface analysis.

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Streszczenie

Genistein, a naturally occurring polyphenolic compound, was combined with isonicotinamide, a pharmaceutically acceptable coformer, to yield a 1:2 cocrystal [systematic name: 5,7-dihydroxy-3-(4-hydroxyphenyl)chromen-4-one-pyridine-4-carboxamide (1/2)], C₁₅H₁₀O₅·2C₆H₆N₂O. The molecules in the cocrystalline phase are present in their neutral forms, and assemble a molecular layer by means of hydrogen bonding.

Słowa kluczowe

Hirshfeld surface analysis, active pharmaceutical ingredients, cocrystals, crystal structure, flavonoids, genistein

Adres publiczny

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