

Tailored Supramolecular Gels for Isoniazid Crystallization – is Isoniazid Really Monomorphic?

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Supplementary Information

Solvent	Initial	30 mins	1 hour	1 day	1 week
1,4-dioxane*	PG	G	G	CG	CG
1-butanol*	G	G	G	G	G
1-pentanol*	G	G	G	G	G
1-propanol*	G	G	G	G	G
2-butanol*	G	G	G	G	G
2-ethylpyridine*	G	G	G	G	G
2-picoline*	G	G	G	G	G
2-propanol*	G	G	G	G	G
3-picoline	G	G	G	G	G
4-ethylpyridine	G	G	G	G	G
4-picoline	G	G	G	G	G
Acetic acid	G	G	G	G	G
Cyclohexanone	G	G	G	G	G
Cyclopentanone	G	G	G	G	G
DMA	S	S	S	S	G
DMF	G	G	G	G	G
Ethanol*	G	G	G	G	G
Methanol*	G	G	G	G	G
Nitrobenzene	G	G	G	G	G
Pyridine	G	G	G	G	G

Table S1. Gelation behaviour of **1** showing tests resulting in gelation (total 51 solvents examined). Key: G is gel, PG is partial gel, CG is collapsed gel and S is solution. The use of * highlight the samples in which the gels are opaque.

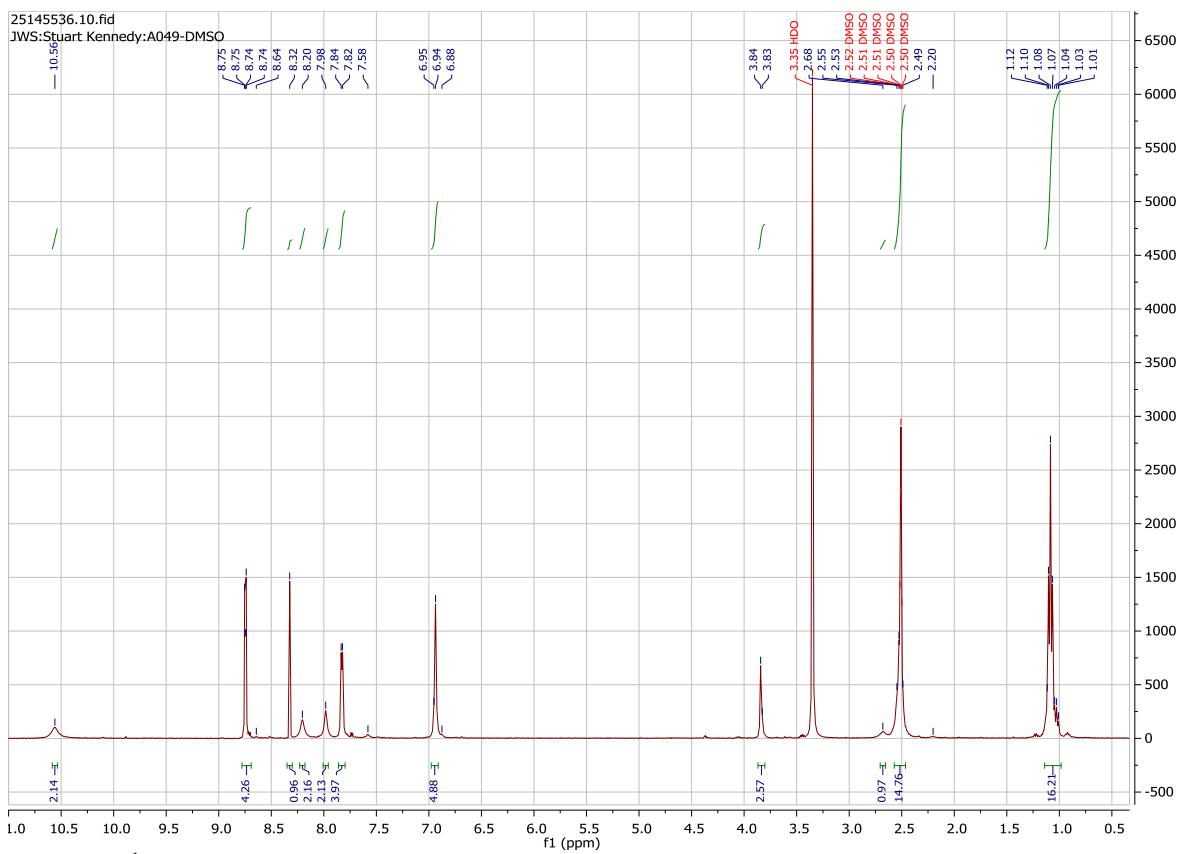


Figure S1 ^1H NMR spectrum of **1** in DMSO

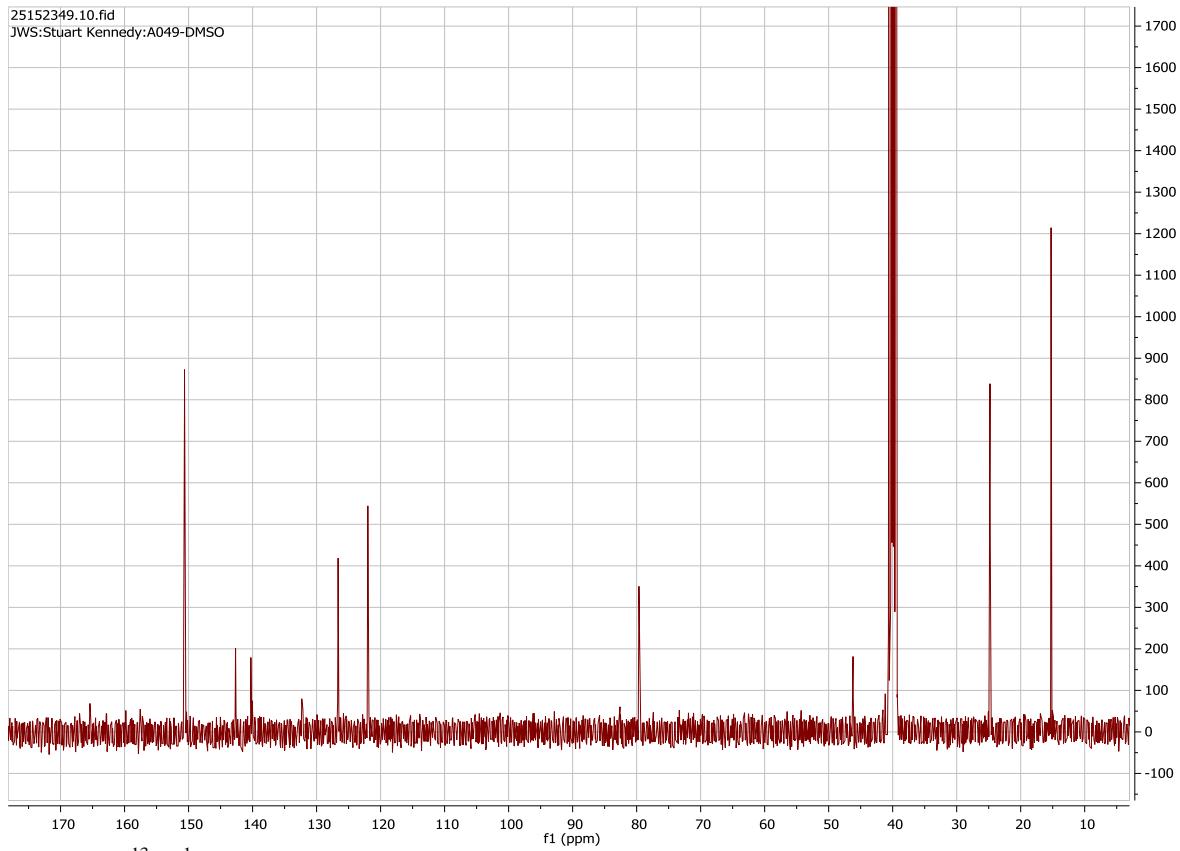


Figure S2 $^{13}\text{C}\{\text{H}\}$ NMR spectrum of **2** in DMSO

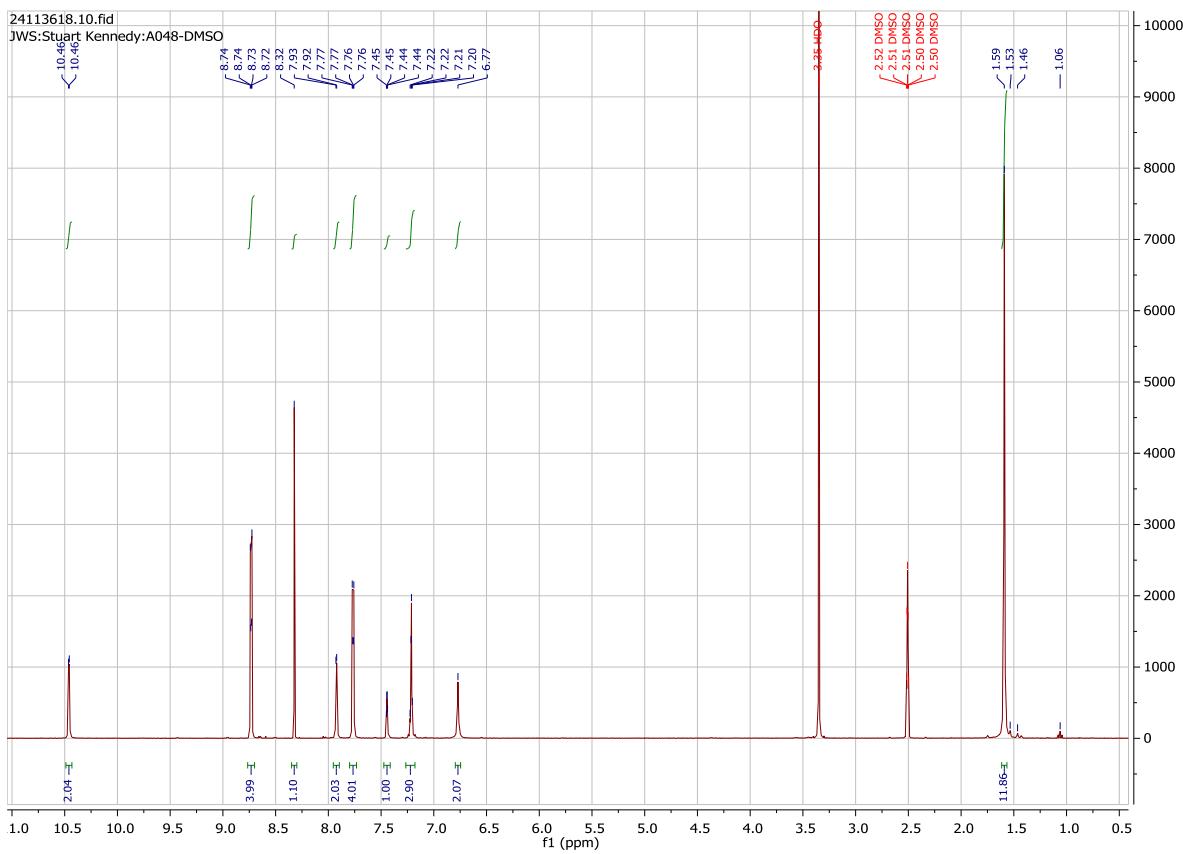


Figure S3 ^1H NMR spectrum of **2** in DMSO

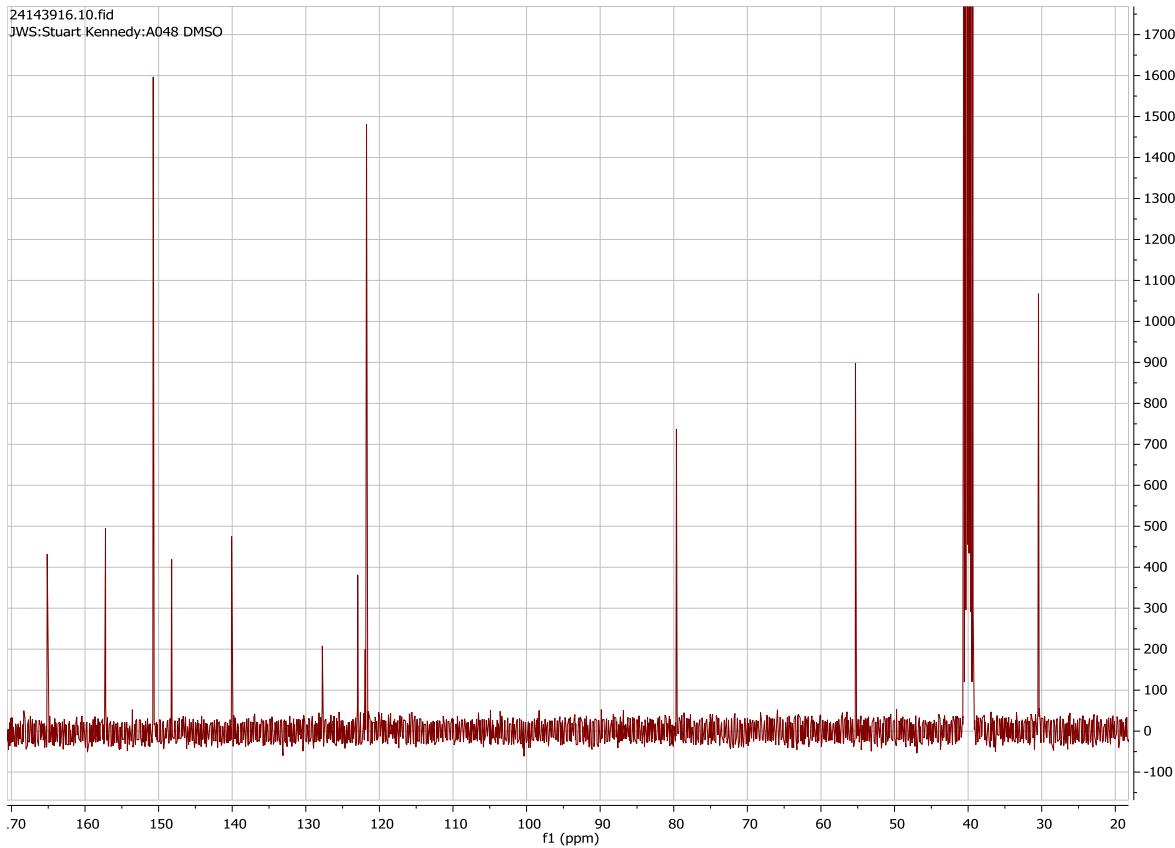


Figure S4 $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of **2** in DMSO.

A097b, ESI - no column MeCN (TQD), RT 0.2350 mins, Scan# 27, NL 5.222E7, 28/01/2016 15:22, m/z [54.4-1972.4]

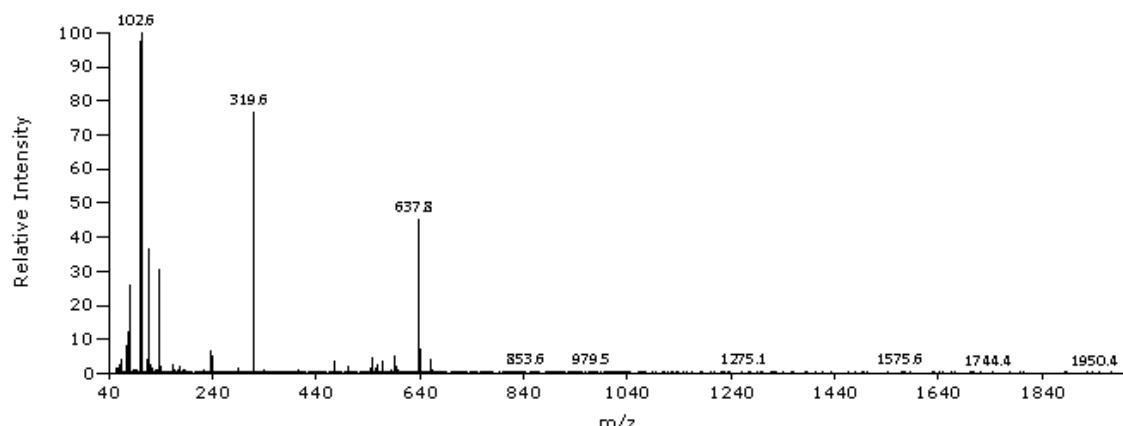


Figure S5 ESI-MS of **1**.

A048, ESI - LC MeOH (TQD), RT 2.4187 mins, Scan# 278, NL 8.457E6, 14/05/2015 13:48, m/z [100.9-1980.2]

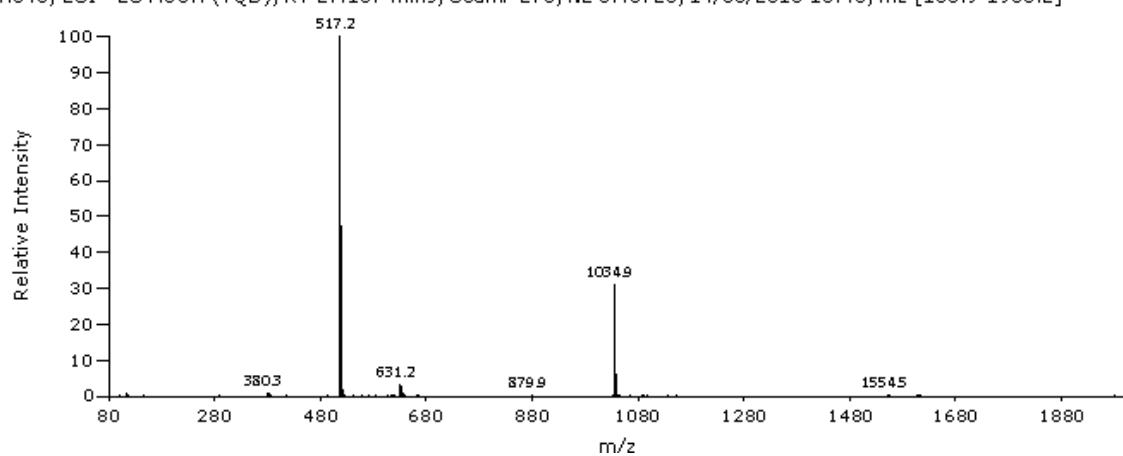


Figure S6 ESI-MS of **2**.

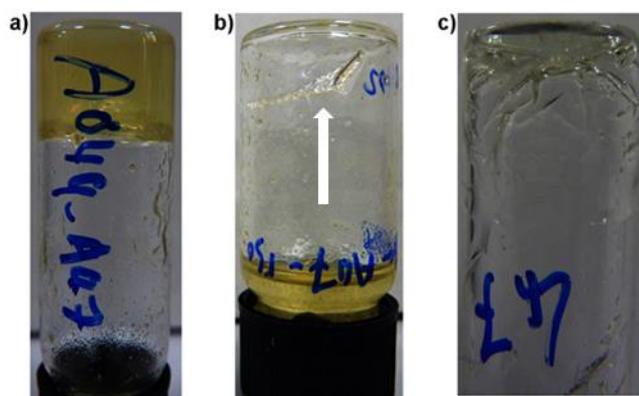


Figure S7. a) Nitrobenzene gel of **1** undergoing the inversion test. b) Single sample-spanning isoniazid crystal obtained after the collapse of a nitrobenzene gel. c) Relatively small needle-shaped crystals of isoniazid obtained from nitrobenzene.