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## Product Datasheet

### Syrosingopine FBM-10-4688

Artikelname	Syrosingopine
Artikelnummer	FBM-10-4688
Hersteller Artikelnummer	10-4688
Alternativnummer	FBM-10-4688-5MG,FBM-10-4688-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	MCT4 inhibitor...
Molekulargewicht	666.72
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[84-36-6]
Formel	C35H42N2O11
Anwendungsbeschreibung	Syrosingopine is a reserpine derivative that is an inhibitor of monocarboxylate transporter 4 (IC50 MCT4 = 40 nM, IC50 MCT1 = 2.5 µM). <sup>1</sup> It prevents lactate and H <sup>+</sup> efflux. Syrosingopine elicits synthetic lethality in cancer cells in combination with metformin via NAD <sup>+</sup> depletion leading to glycolytic blockade and cell death. <sup>1,2</sup> It displays anticancer activity in several cancer models including leukemia <sup>3</sup> , breast <sup>4</sup> , NSCLC <sup>5</sup> , and glioblastoma <sup>6</sup> . Syrosingopine was originally used to treat hypertension via its antinoradrenergic effects.