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## Product Datasheet

### Syrosingopine FBM-10-4688

Article Name	Syrosingopine
Biozol Catalog Number	FBM-10-4688
Supplier Catalog Number	10-4688
Alternative Catalog Number	FBM-10-4688-5MG,FBM-10-4688-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	MCT4 inhibitor...
Molecular Weight	666.72
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[84-36-6]
Formula	C <sub>35</sub> H <sub>42</sub> N <sub>2</sub> O <sub>11</sub>
Application Notes	Syrosingopine is a reserpine derivative that is an inhibitor of monocarboxylate transporter 4 (IC <sub>50</sub> MCT4 = 40 nM, IC <sub>50</sub> 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.