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## Product Datasheet

### Siramesine, CAS [[147817-50-3]] FBM-10-4202

Article Name	Siramesine, CAS [[147817-50-3]]
Biozol Catalog Number	FBM-10-4202
Supplier Catalog Number	10-4202
Alternative Catalog Number	FBM-10-4202-5MG, FBM-10-4202-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sigma-2 agonist...
Molecular Weight	454.59
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[147817-50-3]
Formula	C <sub>30</sub> H <sub>31</sub> FN <sub>2</sub> O
Application Notes	Siramesine (Lu 28-179) is a $\sigma_2$ selective agonist (IC <sub>50</sub> s: $\sigma_1$ = 17nM, $\sigma_2$ = 0.2nM). <sup>1</sup> It produced non-sedating potent and long-last anxiolytic effects in rodents. <sup>2</sup> Siramesine induced caspase-independent programmed cell death in various cancer cell lines via increased levels of ROS and lysosomal leakage. <sup>3,4,5</sup> Mitochondrial destabilization via loss of membrane potential and increased ROS has also been offered as a mechanism of action for the triggering of cell death by Siramesine. <sup>6</sup>