

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### KL-001 FBM-10-1411

Article Name	KL-001
Biozol Catalog Number	FBM-10-1411
Supplier Catalog Number	10-1411
Alternative Catalog Number	FBM-10-1411-5MG,FBM-10-1411-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cryptochrome (CRY) activator...
Molecular Weight	398.46
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[309928-48-1]
Formula	C <sub>21</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub> S
Application Notes	A novel tool that specifically interacts with cryptochrome (CRY) preventing its ubiquitin-dependent degradation resulting in lengthening of the circadian period. KL-001-mediated CRY stabilization inhibits glucagon-induced gluconeogenesis in primary hepatocytes <sup>1</sup> . Binds to the FAD-binding pocket of CRY2 as determined by co-crystal structure <sup>2</sup> . Induces an increase in period along with simultaneous reduction in amplitude of circadian reporter expression <sup>3</sup> in mammalian cells.