

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

## Product Datasheet

### **GSK4112, CAS [[1216744-19-2]]** **FBM-10-5493**

Article Name	GSK4112, CAS [[1216744-19-2]]
Biozol Catalog Number	FBM-10-5493
Supplier Catalog Number	10-5493
Alternative Catalog Number	FBM-10-5493-5MG,FBM-10-5493-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Rev-Erbalpha agonist...
Molecular Weight	396.89
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1216744-19-2]
Formula	C18H21ClN2O4S
Application Notes	Selective Rev-Erbalpha agonist (EC50=250 nM). <sup>1,2</sup> It induces circadian clock phase shifts in isolated primary lung fibroblasts as well as in lung slices (10 µM). <sup>1</sup> GSK4112 showed an inhibitory effect on the amplitude of circadian oscillations and caused an arrhythmic expression of canonical clock genes. <sup>3</sup> In murine RAW264 macrophages it suppressed inflammatory functions via repressing Ccl2 expression. <sup>4</sup> It protected RANKL-induced bone loss via inhibition of osteoclast differentiation in vivo. <sup>5</sup>