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## Product Datasheet

### Roxadustat, CAS [[808118-40-3]] FBM-10-4468

Article Name	Roxadustat, CAS [[808118-40-3]]
Biozol Catalog Number	FBM-10-4468
Supplier Catalog Number	10-4468
Alternative Catalog Number	FBM-10-4468-5MG, FBM-10-4468-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Prolyl hydroxylase domain inhibitor / HIF stabilizer...
Molecular Weight	352.35
Purity	99% by HPLC
Form	Off-white or white solid
CAS Number	[808118-40-3]
Formula	C19H16N2O5
Application Notes	Roxadustat (808118-40-3) is a pan-prolyl hydroxylase domain (PHD) inhibitor (IC50 for PHD2 = 591 nM) <sup>1</sup> that stabilizes hypoxia-inducible factor (HIF) leading to erythropoiesis. Currently in clinical trials for treatment of anemia related to chronic kidney disease. <sup>2</sup> Roxadustat accelerated cutaneous wound healing and shortened healing time via improvement in epidermal stem cell proliferation and motility <sup>3</sup> and increasing angiogenesis <sup>4</sup> . It displayed radioprotective effects in haematopoietic systems via up-regulation of HIF-1. <sup>5</sup> Roxadustat displayed protective effects against atherosclerosis via activation of adipose HIF-2. <sup>6</sup>