

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

## Product Datasheet

### VU0134992, CAS [[755002-90-5]] FBM-10-4651

Article Name	VU0134992, CAS [[755002-90-5]]
Biozol Catalog Number	FBM-10-4651
Supplier Catalog Number	10-4651
Alternative Catalog Number	FBM-10-4651-5MG,FBM-10-4651-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Kir4.1 blocker...
Molecular Weight	411.38
Purity	98% by TLC NMR (Conforms)
Form	Off-white/tan solid
CAS Number	[755002-90-5]
Formula	C20H31BrN2O2
Application Notes	VU0134992 is a blocker of the inward rectifier potassium channel Kir4.1 (IC50 = 970 nM). <sup>1</sup> It also inhibits Kir3.1/3.2, Kir3.1/3.4, and Kir4.2 with similar potency. VU0134992 induced diuresis, natriuresis, and kaliuresis in Sprague-Dawley rats suggesting therapeutic blood pressure lowering potential. It reduced polymyxin-induced nephrotoxicity in cell culture and mouse explant kidney tissue. <sup>2</sup>