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Product Datasheet

V-9302, CAS [[1855871-76-9]] FBM-10-4245

Article Name	V-9302, CAS [[1855871-76-9]]
Biozol Catalog Number	FBM-10-4245
Supplier Catalog Number	10-4245
Alternative Catalog Number	FBM-10-4245-5MG,FBM-10-4245-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutamine transport inhibitor...
Molecular Weight	538.69
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1855871-76-9]
Formula	C ₃₄ H ₃₈ N ₂ O ₄
Application Notes	Selective inhibitor of the alanine-serine-cysteine transporter 2 (ASCT2 or SLC1A5, IC ₅₀ = 9.0 µM rat and 9.6 µM human). ^{1,2} It inhibited the uptake of both glutamine and possibly other amino acids in human cancer cells and reduced in vitro viability by at least 20% in more than half of 29 cancer cell lines screened. ² V-9302 decreased mTOR activity, elevated autophagy, and increased oxidative stress in multiple animal cancer models. ²⁻⁵