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## Product Datasheet

### Baricitinib, CAS [[1187594-09-7]] FBM-10-3893

Article Name	Baricitinib, CAS [[1187594-09-7]]
Biozol Catalog Number	FBM-10-3893
Supplier Catalog Number	10-3893
Alternative Catalog Number	FBM-10-3893-5MG, FBM-10-3893-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	JAK 1/2 inhibitor...
Molecular Weight	371.42
Purity	98% by HPLC NMR (conforms)
Form	White or off-white solid
CAS Number	[1187594-09-7]
Formula	C16H17N7O2S
Application Notes	Baricitinib, approved by the FDA for two inflammatory disorders, rheumatoid arthritis and alopecia areata, selectively inhibits Janus kinase 1 (IC50 = 5.9 nM) and 2 (5.7 nM), over 3 (0.56 µM). <sup>1</sup> It thereby blocks JAK/STAT signaling, reducing cytokine release and suppressing the innate and adaptive immune systems. <sup>1,2</sup> Was recently shown to significantly improve COVID-19 symptoms in a preliminary human trial, presumably through suppression of the cytokine release syndrome ("cytokine storm") induced by SARS-CoV-2 infection. <sup>3</sup>