

Product Name	: Fenebrutinib
Synonyms	: RG-7845; GDC-0853
Cat No.	: M11845
CAS Number	: 1434048-34-6
Molecular Formula	: C ₃₇ H ₄₄ N ₈ O ₄
Formula Weight	: 664.80
Chemical Name	: 2H-Cyclopenta[4,5]pyrrolo[1,2-a]pyrazin-1(6H)-one, 2-[1,6-dihydro-3'-(hydroxymethyl)-1-methyl-5-[[5-[(2S)-2-methyl-4-(3-oxetanyl)-1-piperazinyl]-2-pyridinyl]amino]-6-oxo[3,4'-bipyridin]-2'-yl]-3,4,7,8-tetrahydro-7,7-dimethyl-
Description	An orally bioavailable, selective, non-covalent and reversible BTK inhibitor with IC ₅₀ of 2-9 nM; has demonstrated efficacy in pre-clinical autoimmune disease models and is being developed for the treatment of rheumatoid arthritis and lupus, with future development for other autoimmune indications. Rheumatoid Arthritis Phase 2 Clinical
Pathway	: Tyrosine Kinase
Target	: BTK
Receptor	: BTK
Solubility	: DMSO: ≥ 23 mg/mL
SMILES	: <chem>CC1CN(CCN1C2=CN=C(C=C2)NC3=CC(=CN(C3=O)C)C4=C(C(=NC=C4)N5CCN6C7=C(C(C7)C(C)C)C=C6C5=O)CO)C8COC8</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Erickson RI, et al. J Pharmacol Exp Ther. 2017 Jan;360(1):226-238. | 2. Katsumoto, T. 2016 ACR/ARHP Annual Meeting (2016).