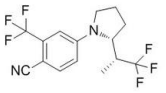
LGD 4033(VK5211) Datasheet

Technical Data

Molecular Weight (MW)	338.25 g·mol−1
Formula	**C14H12F6N2O**
CAS No.	1165910-22-4
Synonyms	LGD 4033, VK5211

Solubility (25°C)	DMSO 78 mg/mL		
	Water <1 mg/mL		
	Ethanol 78 mg/mL		
Storage	4 years	-20°C	Powder
	2 weeks	4°C	in DMSO
	6 months	-80°C	in DMSO

LGD 4033 Chemical Structure



Biological Activity

Description	LGD 4033 is a Selective Androgen Receptor Modulator discovered by Ligand Pharmaceuticals in their research and developing focusing on drugs to manage diseases such as MS and Osteoporosis
Targets	Androgen Receptor
IC50	3.8 nM (K_i) [1]
In vitro	LGD-4033, a novel nonsteroidal oral, selective androgen receptor modulator, binds androgen receptor with high affinity and selectivity.
In vivo	LGD-4033 has demonstrated anabolic activity in the muscle, anti-resorptive and anabolic activity in bone, and robust selectivity for muscle versus prostate In animal models. LGD-4033 is well tolerated, has a long elimination half-life and dose-proportional accumulation upon multiple dosing. LGD-4033 is safe, has favorable pharmacokinetic profile, and increases lean body mass even during this short period without change in prostate-specific antigen.
Clinical Trials	Phase 1 & 2
Features	LGD-4033 is a novel nonsteroidal, oral SARM that binds to androgen receptor with high affinity (Ki of 1 nM) and selectivity.

Protocol (Only for Reference)

Kinase Assay: [1]

In vitro competitive radioligand binding assay	No data

Animal Study:[1]

Animal Models	Immature castrated male Sprague-Dawley rats
Formulation	Dissolved in DMSO, and diluted in saline
Doses	1 mg/day
Administration	Subcutaneous injection

References

PLEASE KEEP THE PRODUCT UNDER -20°C FOR LONG-TERM STORAGE.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE

Return Policy

We hope this product has arrived safely with our courier. If there is a problem with your product, please contact us.

We accept returns as long as less than 20% of the product has been used and there is a problem with the substance.

We do not accept returns because of miss ordering for safety reasons.

Orders & Support

support@maxmusclelabs.com

We will contact you within one business day

Website:

maxmusclelabs.com