



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION

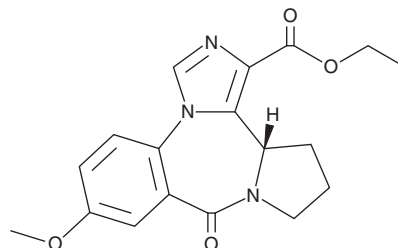


L-655,708

Item No. 30322

CAS Registry No.: 130477-52-0
Formal Name: (13aS)-11,12,13,13a-tetrahydro-7-methoxy-9-oxo-9H-imidazo[1,5-a]pyrrolo[2,1-c][1,4]benzodiazepine-1-carboxylic acid, ethyl ester

MF: C₁₈H₁₉N₃O₄
FW: 341.4
Purity: ≥98%
UV/Vis.: λ_{max}: 248 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

L-655,708 is supplied as a solid. A stock solution may be made by dissolving the L-655,708 in the solvent of choice, which should be purged with an inert gas. L-655,708 is soluble in organic solvents such as DMSO and dimethyl formamide (DMF). The solubility of L-655,708 in these solvents is approximately 1 and 2 mg/ml, respectively.

L-655,708 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, L-655,708 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. L-655,708 has a solubility of approximately 0.04 mg/ml in a 1:20 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

L-655,708 is a ligand for α_5 subunit-containing GABA_A receptors that has nootropic activity.¹ It selectively binds to α_5 subunit-containing GABA_A receptors over α_1 , α_2 , or α_3 subunit-containing receptors (K_i s = 1, 70, 48, and 31 nM, respectively, for recombinant human receptors). L-655,708 (10 nM) increases the amplitude of extracellular post-synaptic potentials (EPSPs) in mouse hippocampal slices. *In vivo*, L-655,708 (1.5 mg/animal) decreases the latency to find the platform and increases time spent in the target quadrant in the Morris water maze in mice.

Reference

1. Atack, J.R., Bayley, P.J., Seabrook, G.R., *et al.* L-655,708 enhances cognition in rats but is not proconvulsant at a dose selective for α_5 -containing GABA_A receptors. *Neuropharmacology* **51(6)**, 1023-1029 (2006).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 05/07/2020

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM