Resource Summary Report

Generated by NIF on Apr 17, 2025

DC Analysis programs

RRID:SCR_013431
Type: Tool

Proper Citation

DC Analysis programs (RRID:SCR_013431)

Resource Information

URL: http://www.ucl.ac.uk/Pharmacology/dcpr95.html

Proper Citation: DC Analysis programs (RRID:SCR_013431)

Description: These programs have been written over the last 20 years for analysis of our own results. They all do some things that are still not available in any commercial program. The programs are written in protected-mode 32-bit Fortran 90, with some assembler subroutines for fast graphics, and the Gino graphics library. Thus they are essentially DOS programs, though they are usually run from Windows, either via a desktop icon (the .ico files) or in the DOS box. The manuals (now in pdf format), have now all been collected into a single document, DCMANUALS.PDF, which should be downloaded, and the bits that you need can then be printed. Note that some sections are common to many or all programs, e.g. the notes on the graph and histogram drawing subroutines, and it is important to read this before using any of the programs (though there is a lot of online help (hit F1) for the graphics, and also in SCAN. Sponsor. Our work was supported by the Wellcome Trust (project grant 074491) and the Medical Research Council (programme grant G0400869).

Synonyms: DOS

Resource Type: software resource

Funding:

Resource Name: DC Analysis programs

Resource ID: SCR_013431

Alternate IDs: nif-0000-30411

Record Creation Time: 20220129T080316+0000

Record Last Update: 20250410T070407+0000

Ratings and Alerts

No rating or validation information has been found for DC Analysis programs.

No alerts have been found for DC Analysis programs.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Gibb AJ, et al. (2022) Allosteric antagonist action at triheteromeric NMDA receptors. Neuropharmacology, 202, 108861.

Perszyk RE, et al. (2020) Biased modulators of NMDA receptors control channel opening and ion selectivity. Nature chemical biology, 16(2), 188.

Gibb AJ, et al. (2018) A structurally derived model of subunit-dependent NMDA receptor function. The Journal of physiology, 596(17), 4057.

Swanger SA, et al. (2016) Mechanistic Insight into NMDA Receptor Dysregulation by Rare Variants in the GluN2A and GluN2B Agonist Binding Domains. American journal of human genetics, 99(6), 1261.

Vance KM, et al. (2013) Modal gating of GluN1/GluN2D NMDA receptors. Neuropharmacology, 71, 184.

Vance KM, et al. (2012) GluN1 splice variant control of GluN1/GluN2D NMDA receptors. The Journal of physiology, 590(16), 3857.

Siegler Retchless B, et al. (2012) A single GluN2 subunit residue controls NMDA receptor channel properties via intersubunit interaction. Nature neuroscience, 15(3), 406.

Krashia P, et al. (2011) The long activations of ?2 glycine channels can be described by a mechanism with reaction intermediates ("flip"). The Journal of general physiology, 137(2), 197.

Mortensen M, et al. (2010) Distinct activities of GABA agonists at synaptic- and extrasynaptic-type GABAA receptors. The Journal of physiology, 588(Pt 8), 1251.

Dravid SM, et al. (2008) Activation of recombinant NR1/NR2C NMDA receptors. The Journal of physiology, 586(18), 4425.

Mortensen M, et al. (2006) Extrasynaptic alphabeta subunit GABAA receptors on rat hippocampal pyramidal neurons. The Journal of physiology, 577(Pt 3), 841.

Rycroft BK, et al. (2004) Regulation of single NMDA receptor channel activity by alpha-actinin and calmodulin in rat hippocampal granule cells. The Journal of physiology, 557(Pt 3), 795.

Rycroft BK, et al. (2004) Inhibitory interactions of calcineurin (phosphatase 2B) and calmodulin on rat hippocampal NMDA receptors. Neuropharmacology, 47(4), 505.

Lewis TM, et al. (2003) Kinetic determinants of agonist action at the recombinant human glycine receptor. The Journal of physiology, 549(Pt 2), 361.