






Protective Role of *Aframomum melegueta* against Monosodium Glutamate-induced Prostate Damage in Rats



Asiat Na'Allah¹ , Umar Muhammad Ghali^{2,*} , Şevki Adem² , Nadia Mohammed Salama Kurzama² , Qendresa Hoti³  and Fatimah Abubakar¹

¹Department of Biochemistry, Faculty of Pure and Applied Sciences, Kwara State University, Malete, P.M.B. 1530, Ilorin, Oyo, Kwara State, Nigeria

²Department of Chemistry, Faculty of Science, Cankiri Karatekin University, Cankiri-18100, Turkey

³Department of Biochemistry, College of Medical Sciences "REZONANCA" Prishtina, Kosovo

© 2026 The Author(s). Published by Bentham Open.

This is an open access article distributed under the terms of the Creative Commons Attribution 4.0 International Public License (CC-BY 4.0), a copy of which is available at: <https://creativecommons.org/licenses/by/4.0/legalcode>. This license permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.



*Address correspondence to this author at the Department of Chemistry, Faculty of Science, Cankiri Karatekin University, Cankiri, 18100, Turkey; E-mail: umarghali18@gmail.com

Published: April 08, 2026

Cite as: Na'Allah A, Ghali U, Adem Ş, Kurzama N, Hoti Q, Abubakar F. Protective Role of *Aframomum melegueta* against Monosodium Glutamate-induced Prostate Damage in Rats. Open Med Chem J, 2026; 20: e18741045417598. <http://dx.doi.org/10.2174/0118741045417598260403110551>



Send Orders for Reprints to reprints@benthamscience.net

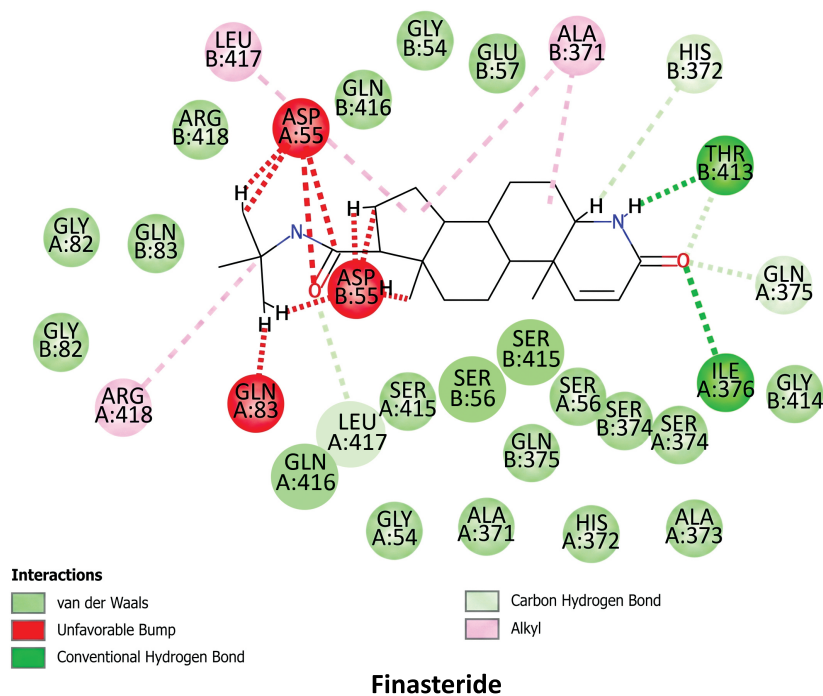


Fig. (S1). Interactions of finasteride with ALP.

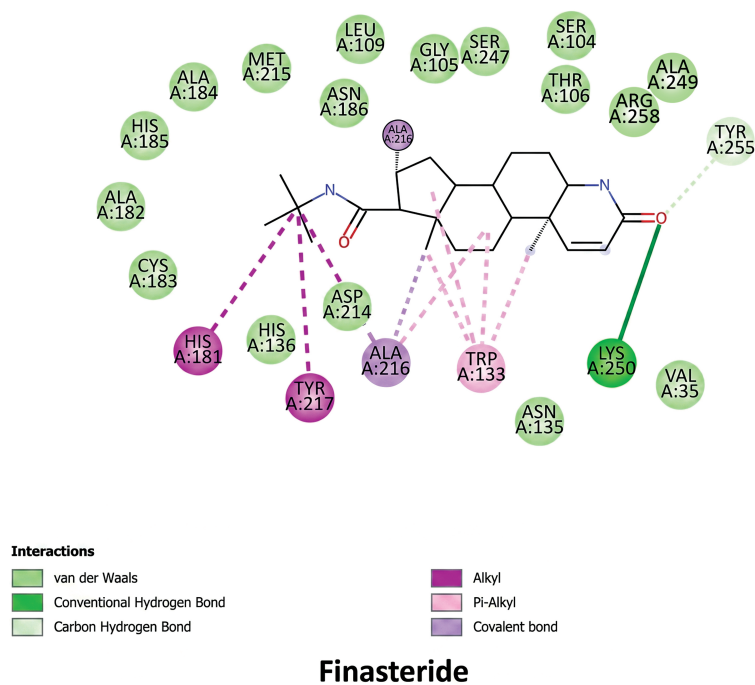


Fig. (S2). Interactions of finasteride with AST.

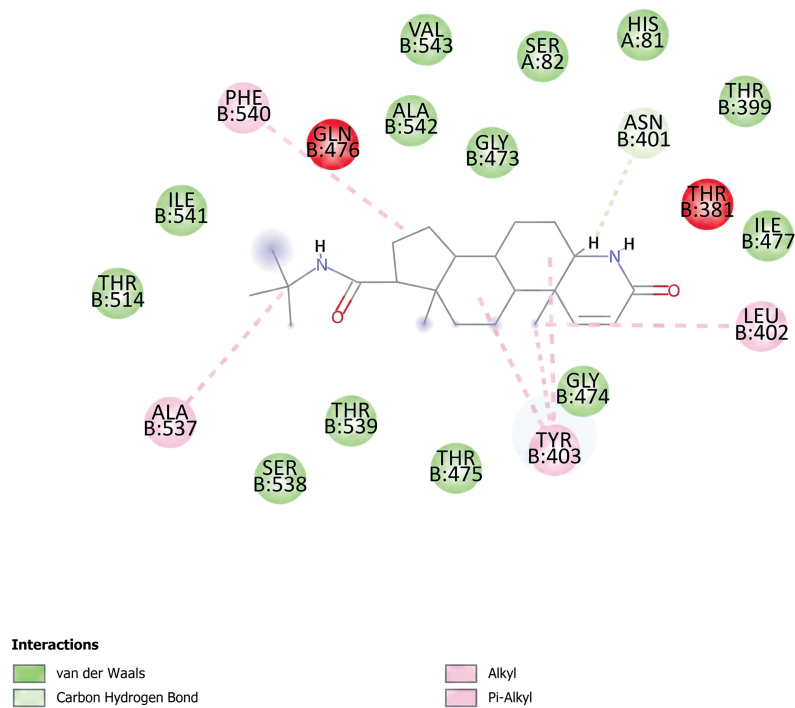


Fig. (S3). 2D interactions of finasteride with GGT.