LIST OF ACCEPTED ORAL PRESENTATION

1. Investigation on the Structural and Optical Properties of α-M_oo_3 Nanoparticles Synthesized By Hydrothermal Method.

A V Avani[1], R B Chrisma[1] and E I Anila[1]*

[1]Department of Physics and Electronics, CHRIST (Deemed to be University), Bengaluru,

Karnataka-560029

*Corresponding author: anilaei@gmail.com

2. Structural and Optical Characterization of Cobalt Oxide Nanoparticles Synthesized By Hydrothermal Method.

Chrisma Rose Babu[1], A V Avani[1] and E I Anila[1]*

[1]Department of Physics and Electronics, CHRIST (Deemed to be University), Bengaluru,

Karnataka – 560029

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3. Facile Synthesis of Platinum Nanoparticles and Their Characterization

Felicia Aswathy W[1], Arun Aravind[1] and E I Anil[1]*

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Karnataka– 560029 2 Department of Physics, Bishop Moore College, Mavelikara, Kerala-690110

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4. Study on Preparation and Characterization of Bio polymeric Films – A Review

Dr. Kameshwari Devi S.H[1] and B.V Kruthika[1]*

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JSS Science and technology university, Mysuru 570006, India

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5. FT-IR, FT-Raman, Dft Computations and Molecular Docking Studies Of Antiviral Drug Bifendate

Nisha S.V.D [1,2], . Hubert Joe [2] *

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[2] Department of Physics, University of kerala,Kariavattom Thiruvananthapuram-695581, Kerala, India

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6. Physical and Mechanical Properties of Nanocomposites Made With Aa_20_{24}, Carbon Nanotubes and Silicon

M. Muniyappan[1] and N. Iyandurai [2]

[1]Department of Physics, Gnanamani College of Technology, Namakkal - 637 018, TamilNadu, India.

[2] Department of Physics, Thiruvalluvar Govt. Arts College, Rasipuram, Namakkal - 637 401, TamilNadu, India.

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7. Fe- Doped Zno Thin Film Deposited By Silar Method For Photo Sensor Application.

Jenish S. L Joseph Wilson

Department of Physics

Arul Anandar College, MKU, Karumathur, Madurai.

*Corresponding author: jenish12@gmail.com

8. Fabrication of Binder Free Tio 2 Nanotube Arrays for Supercapacitor Application-Dft Approach

M.D. Mercy Jennifer [1,2] ,S.Bansura Banu [2] , J. Emima Jeronsia [2] , A. Josephine Prabha [1]*

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[2] Department of Physics, Holy Cross College, Tiruchirappalli - 620002, Tamil Nadu, India.

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9. Growth and Characterizations of Melaminium Cyanoacetate Monohydrate Crystals

S.Vasumathi [1] , H.Johnson Jeyakumar [1] , P.Selvarajan [2]

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10. Clean technology: an application of photocatalysis using nano materials for removal of orgainc compounds from waste water

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11. Fabrication of ecofriendly gold nanoparticle paper substrate using quercas infectoria (olive) gall extract.

Ebenezer T [1], **Mr. Gopi R R** [1] , **Dr.H.Joy Prabu** [1]*, **Dr. Arunviveke** [1*] , **Dr. I. Johnson** [1], **Dr. Allen Joseph Anthuvan** [1].

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12. Crystal growth and optical characterization of an organometallic single crystal for frequency conversion applications.

X.Vasanth Winston[1], Begene Prince[1] Jayaraman[1] and T.Rajesh Kumar [1]*

[1]Department of Physics, G.T.N Arts College(Autonomous), Dindigul, Tamilnadu

*Corresponding author: trgtn727@gmail.com.

13. Theoretical structure and reactivity predictions with dft techniques and molecular docking studies on 1-(5-fluoro-2-iodo-phenyl)ethanone

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14. Z-Scan study of a novel Optical Limiter N-(3,4-Dichlorophenyl)-4-(4-chlorophenyl)-1,3-thiazol-2-mine

Liji E Moses [1] , Balladka Kunhanna Sarojini [3] , Krishnakishore Majalakere [3] , Issac Hubert Joe [2] , S Pari [1] *,

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[3] Department of Industrial Chemistry, Mangalaganothri, Mangalore University, Karnataka, India.

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15. Theoritical Investigation on Molecular Structure , Vibrational Spectra, First HyperPolarizability, HOMO - LUMO analysis of 2-ethoxynaphthalene.

Shanthi Devi [1*]

[1]Department of Physics, National College, Trichy

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16. Structural and morphological studies on strontium tin phosphate SrSn (PO4)2 nanopowder

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V. R. SIDDHARTHA ENGINEERING COLLEGE, Kanuru, Vijayawada-7

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17. A Novel Electrocapacitive Material of Z-Type Barium Hexaferrite Nanoplatelets by Citrate-nitrate auto combustion route

M. Suganya[1], J. Kishor Kumar[1], K. Mohamed Racik[2], S. Muthupandi[2], S. Muniyappan [3], S. Anand[2*].

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18. Synthesis, Growth and Characterization of Piperazinium Dibromide Monohydrate Crystals

S Sivaraj [1] , B Chidambaranathan [1] , R Gunaseelan [2] and S Selvakumar* [1]

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19. Synthesis and electrochemical properties of comn2o4 nanocomposite electrode for high-performance supercapacitor applications

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20. Investigation of structural properties of neodymium doped zinc oxide nanomaterials: potential anode material for dye sensitized solar cells

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21. A facile synthesis of nanocomposite for adsorptive removal of heavy metal enhanced by functionalization and its regeneration

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[2]Department of Physics, Loyola College, Chennai, 600034.

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22. Fabrication of binder free Tio_2 nanotube arrays for supercapacitor application-dft approach

M.D. Mercy Jennifer [1,2] ,S.Bansura Banu [2] , J. Emima Jeronsia [2] , A. Josephine Prabha [1]*

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23. Study on preparation and characterization of biopolymeric films - a review

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24. Investigation on structural, opto-electrical and magnetic consequences on NiO nanoparticles by Mn doping via sol-gel citrate approach

Aslinjensipriya. A [1], Sylvia Reena. R [1], Grace Infantiya. S [1], Jerome Das. S [1]*

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25. The influence of nickel (ni) doping on the structural and electrical properties of cacu3-xnixti4o12 perovskite-oxide ceramics

S. Grace Infantiya [1] , A. Aslinjensipriya [1] , R. Sylvia Reena [1] , A. Juliet [1] , J. P. Angelena [1] , S. Jerome Das [1]*

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26. Investigation on silver nanoparticles by green synthesis method using phyllanthus niruri (l).

J.Shalini [1] ., M.Lilly Anitha [1] , A.Stanley raj [1] , N.S. Nirmala jothi *

[1]Department of physics Loyola College, Chennai-34

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27. Silver nanoparticles prepared using flower extract of catharanthus roseus (l.) G.don and its anti-bacterial studies

Francis Tisha N[1], Shalini J, Rinita J[1], N.S.Nirmala Jothi[1]*

[1]Department of Physics, Loyola College, Chennai, India

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28. Synthesis and characterization of nico2o4/rgo nanocomposite-as an efficient electrode material for supercapacitor application

Fennyl Britto[1*]

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29. Ecological synthesis of carbon-based nanomaterials from daucus carota extract

Christma Eunice Sherina[1*]

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30. Theoretical investigation on molecular structure , vibrational spectra, first hyperpolarizability, homo - lumo analysis of 2-ethoxynaphthalene

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31. Synthesis of barium doped (ba) cobalt oxide (co3o4) nanoparticle photocatalyst towards the degradation of mb dye under visible-light irradiation

R. Sylvia Reena [1] , A. Aslinjensipriya [1] , S. Grace Infantiya [1] , S. Jerome Das [1,*]

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32. Synthesis of Zno - nio nanocomposite, characterisation and in-vitro antibacterial activity

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PG Department of Physics, Women's Christian College, Chennai – 600 006.

Corresponding Author : afernandez@wcc.edu.in

33. Development of rgo/$nico_2o_4$ nanocomposites for an effective photocatalytic degradation of ciprofloxacin antibiotics

Fennyl Britto J[1]*, Harini S[1], Anto Feradrick Samson V[1], Bharathi Bernadsha S[1]

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34. Rgo/$znfe_2o_4$ nanocomposites as an efficient visible light degradation of tetracycline antibiotics

Anto Feradrick Samson V[1]*, Fennyl Britto J[1], Harini S[1]

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35. Facile synthesis of rgo/$znfe_2o_4$ nanocomposites for enhanced supercapacitor applications

Anto Feradrick Samson V[1]*, Bharathi Bernadsha S[1], Fennyl Britto J[1], Harini S.[1]

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36. Structural, morphological properties of copper sulfide nanoparticles by one step synthesis

M. Joe Raja Ruban [1,2]

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37. One pot synthesis of nickel sulfide nanoparticles and its structural study

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(LIFE), Loyola College, Chennai 600 034, India.

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38. Swift Ion (Au3+) Irradiated: Dielectric, Microhardness, and Thermal Properties of 2-Amino-5-Nitropyridinium chloride (2A5NPCl) NLO Single Crystal

M. Ambrose Rajkumar[1*] Amjad Hassan Khan MK[2], R. Aswin Herbert S[3]. Anbarasu[4], Prem Anand Devarajan[5],

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39. Role of annealing in enhancing the supercapacitive behavior of cobalt oxide (co_3o_4)

P. Joselene Suzan Jennifer [1,2]

[1]Department of Physics, Loyola College, Chennai, India

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40. Supercapacitive behavior of copper oxide for electrolyte with different ph

P. Joselene Suzan Jennifer [1,2]

[1]Department of Physics, Loyola College, Chennai, India

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41. Theoretical studies on 2- amino- 5nitropyridinuium sulfamate (2a5ns) – dft approach

S. Prathap[1]

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42. Green synthesis of silver nano particle for cancer treatments

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43. Synthesis of $NiFe_2O_4$ nano-composites for biomedical applications

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44. Transition metal oxide electrode materials for super-capacitors

Joshua. J [1], W. Galeb [1], S. Ezhilarasi [1]*

[1]PG & Research Department of Physics, Loyola College, Chennai

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45. Synthesis and Characterization of NiMn 2 O 4 nanoparticles as electrode material for super capacitor application

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46. Production of Hydrogen from electro catalytic water splitting using metal oxide nanoparticles

Sonnu Benny, S. Arulmozhi*

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47. Volumetric investigation of L- alanine, Tartaric acid binary mixtures in aqueous solution

A. Adeline Lydia Josephine, Dr. R. Jothi Mani*, Dr. G. Jeeva Rani Thangam

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P.G. & Research Department of Physics Fathima College, Madurai

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48. Effect of NiO nanoparticles and its investigation of structural, optical, magnetic, and antibacterial analysis

G. Theophil Anand [1] , S. John Sundaram [1]* , D. Raj Kumar [1] , S. Sachin, A. Dhayal Raj [1], S.A. Martin Britto Dhas [1] , K. Kaviyarasu 2,3

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49. Investigation on the synthesis of metal oxide (CuO & amp; MgO) nanoparticles for the suppression of drug resistant Staphylococcus aureus and Escherichia coli

V. Muthuvel [1] , G. Theophil Anand [1] , S. John Sundaram [1] *, Bosco Franklin J [1] , A. Dhayal Raj [1] , C. Thirupathy [1] , K. Kanimozhi [2] , K. Kaviyarasu [3],[4]

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50. Synthesis, growth, and characterization of L-glycine sodium bicarbonate (LGSB) single crystal for optoelectronic and photonic applications

M. Packiya raj [1], S.E. Allen Moses [2],* J. Johnson [3]

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2 Department of Physics, School of Arts and Science, Vinayaka Mission’s Research Foundation, AV campus, Chennai-603 104, Tamilnadu,

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51. Synthesis, growth, and characterization of novel semi-organic NLO crystal: L-threoninum silver nitrate (LTSN) for optoelectronic applications

S.E. Allen Moses [1],* M. Packiya raj [2] and J , Johnson [3]

[1] Department of Physics, School of Arts and Science, Vinayaka Mission's Research Foundation, AV campus, Chennai-603 104, Tamilnadu, India

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52. Evincing the Photovoltaic effectiveness of Super Nanoporous SnO_2

J Akshara Sherline [1], A Shiny Jerushah[1], J Antony Robinson[1], K Pugazhendhi[1], J Merline Shyla [1]*

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53. Design, Synthesis and Electrochemical Investigation of Tetraaza Macrocylic Ligand and Their Complexes of Co(III), Ni(II),Cu(II) and Zn(II) Metal Complexes.

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54. Design, Synthesis, Electrochemical Investigation and Antibacterial Activity of Tetraaza Macrocylic Ligand and Their Complexes of Co(III), Ni(II),Cu(II) and Zn(II) Metal Complexes

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55. Effects of Al doping on the growth of TiO_2 nanocones for photovoltaic applications

A. Shiny Jerushah [1] , J. Akshara Sherline [1], J. Antony Robinson[1], D. J. Sharmila[1] and J. Merline Shyla [1]*

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56. Argentum enhanced titanium nanospheres for photovoltaic applications

J. Antony Robinson[1]**, A. Shiny Jerushah**[1]**, J. Akshara Sherline**[1]**, P. Naveen Kumar**[1] **and J. Merline Shyla**[1]*

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57. Crystal Growth and physicochemical properties of Potassium Picrate

Chidambaranathan B[1]**, Sivaraj S**[1]**, Gunaseelan R**[2] **and Selvakumar S**[1*]

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58. Experimental and Computational behavior of L- Tartarate 5-Nitrouracilate (LT5NU): A non-linear optical single crystal

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59. Greener synthesis of Ag–ZnO nanocomposite using Cajanus Cajan and their Cytotoxicity against MCF-7 and PBMC Cell Lines

Maria Babu [a], T. Ebenezer[a], R.R. Gopi [a], H. Joy Prabu*[a], I. Johnson[a], Rintu Varghese[b] and S. Rex Rosario[a]

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60. Synthesis of Dye-Based Supercapacitors Using Magnesium Oxide as an Electrode Material

R. Nandhini[a], T. Ebenezer[a], R.R. Gopi[a], H. Joy Prabu[a]*, I. Johnson[a], A. Joseph Sagaya Kennedy[b] and Rintu Varghese[c].

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61**.** Vanadium(v) doped cadmium oxide (CdO) nano particles for super capacitor application

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62. Synthesis of Ni doped Cdo Nanoparticles by co-precipitation method for Supercapacitor applications

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63. Synthesis Optical structural and spectroscopical behaviour of GLYCINE AMMONIUM DIHYRDROGEN ORTHOPHOSPHATE

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64. Growth structural and spectroscopic approach of Glycine Pottasium Dihyrdrogen Orthophosphate

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65 A DFT Investigation on Influence of Bromine in Organic 4-Chloroaniline Molecule

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66. Charaterization of Hydrothermally synthesised, nanostructured Lanthanides doped ZnO electrodes for Dye Sensitised Solar Cells

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67. Investigation of Structural Properties of Nd3+ Doped ZnO to Produce Capable Dye Sensitized Solar Cells

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68. Studies on the Synthesis, Spectral, Optical and Thermal properties of Copper chloride doped L-Valine cadmium chloride crystals

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69. A COMPARITIVE ANALYSIS OF XRD SPECTRUM OG Mg DOPED ZnO NANO PARTICLES AT VARIOUS TEMPERATURES

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70. The study of Sound Wave Propagation in Liquid filled with Carbon Nano tube (CNT)

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71. Green synthesis and characterization of silver nanoparticles using leaves of Catharanthus roseus extract and their anticancer activity

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72. Impact of pH on morphology and ferromagnetic properties of ZnO and Ti doped ZnO nanoparticles

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73. **Spectroscopic (FT-IR and FT-RAMAN) Investigation, NLO, NBO, HOMO-LUMO Analyses of 2-Chloro-5-Hydroxypyridine**

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74. Insight into the Electrochemical Performance of Zno Electrode Boosted by Tin for Supercapacitor

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75. Growth and Characterization of Single Crystals of multi nucleation controlled CMTC for Nonlinear Optical Applications

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76. Synthesis and characterization of mechanical studies for pure and sarcosine doped L-Tartaric acid of single crystal by NLO application

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77. Structural, optical, and thermal analyses of copper oxide nanoparticles –

synthesized via the green method

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78. Thermo gravimetric and cyclic voltammetry Analysis of a sandy loam soil

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79. Quantum Chemical Studies on the molecular structure and optical properties of 2-Amino-5-Bromo benzaldehyde compound based on DFT calculations

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80. Density Functional Theory Calculations On 2-Chloro-4-Fluoropyidine

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81. Theoretical Determination of Third order Nonlinear optical properties of Organic 2 – (Phenyl Sulfanyl) Aniline (PSA) material

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