



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2014_ACSj_11703
Title of the Manuscript:	The Electron Transfer Reaction of 3,7-Bis(dimethylamino)phenazothionium Chloride with Benzenethiol in Aqueous Nitric Acid: A Mechanistic Approach
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1)The product formed is to be mentioned in abstract. 2) In Material & method: Spectral scan showing maxima at 665 nm is required.3)In stoichiometric study : No reference for spectrophotometric titration.4)Product should be isolated & identified.5)Determination of order & kinetic measurement should be done by a UV-Visible Spectrophotometre for accuracy not by colorimeter.6)NaNO ₃ is used for maintaining ionic strength which is oxidising agent. So its interaction with reducing agent should be tested. 7)Fig:3 is to be reversed. 8) Line 211: What is the nature of plot 1/k ₁ against 1/C ₆ H ₅ SH(Show figure)	Some of the comments here have been taken care of in our revised article. NO ₃ ⁻ is not strong enough to oxidise the dye in the range of concentration used.
Minor REVISION comments	1)Line 163: should be table 5 instead of table 4. 2) Mechanism of Electron transfer :Line 218 k ₄ /slow should be written. Same also in line220 as k ₆ /slow 3) Dotted line should be removed before numbering equations 3,4 etc .Instead it should be written as (3).	Some of the comments here have been taken care of in our revised article
Optional/General comments	There is no information about activation parameters (ΔH*,ΔS*,ΔG*) .It is very essential to calculate these to know kinetics and mechanism of any reaction. Please clarify us ethical issues, if any.	This comment has been addressed (see our comment on this in response to Reviewer 1 above)