

I'm not robot!

81st Annual Dinner



FRIDAY 27th March 2015
7.00pm for 7.30pm sit down meal

AT THE BEVERLEY GOLF CLUB
(Forrest Street, Beverley)

COST: \$65 per person



GUEST SPEAKER, old scotch colleague [id] Malcolm "Hot" Brown is a former Australian rules footballer in the Victorian Football League and West Australian Football League. He is described as "one of the most colourful and controversial characters" of the game. He was a highly controversial character not only for his many visits to the tribunal during his playing career but also for a number of incidents while coaching as well.

Brown played in the WFL for East Perth, Claremont, and South Fremantle. His honours as a player include the Sandover Medal in 1968 and three best and fairest at East Perth (1968, 1970, 1972).

He was made captain (and left of field) in 1930 and in this capacity he led them to their 1932 premiership. Brown moved to play in the VFL with the Richmond Football Club for the 1934 season. This earned him recognition in Victoria, where he was considered a highly controversial character. He played 24 games and booted 25 goals as a ruck-rover for the Tigers.

He returned to Western Australia in 1975 and was appointed the player-coach for Claremont. He moved to play and coach at South Fremantle, the club he supported as a child, and after retiring as a player during 1977, he coached South Fremantle to a premiership in 1980. In 1983, after eight years in charge at South Fremantle, he moved to coach Perth. He stayed there for 3 years before retiring to join the WAFU Commissioners. He returned to coach South Fremantle for one more year in 1992 before retiring from coaching for the last time.

In 1994 he co-authored a book titled *Mol Brown & Monger's 17th MFL* with Brian Hansen. He was a regular panelist on *The Footy Show* and in 2004 Brown was inducted into the West Australian Football Hall of Fame.

Association Contacts:	President:	Michael Seltzer, Old Scotch Collegians
	Secretary:	Michael Finch, Old Scotch Collegians
	Treasurer:	Peter Bremner, H&M

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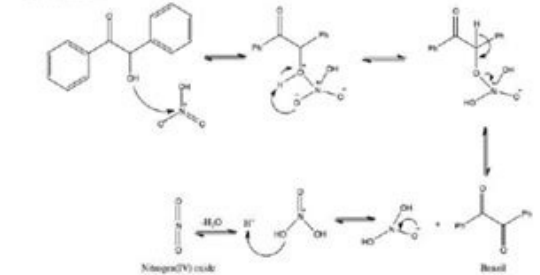
Jonathan Shao
TA: Jake Black/Friday
Date: 02/06/2015

EP2-2: Oxidation of Benzoin to Benzil using Nitric Acid

GOALS: 1) to synthesize benzil through oxidation of benzoin using nitric acid 2) to purify the product using recrystallization and vacuum filtration 3) to test the purity using TLC, MP, and IR.

Chemical Reaction Scheme:^[1]

Mechanism:⁽²⁾

Table of chemical physical and chemical properties²³

Chemical structure/formula/name	MW g/mol	BP/MP °C	SG OR DENSITY G/ML (25°C)	AMT REQUIRED / AMT PRODUCE D	Hazard/ Precaution
Nitric Acid TM 	63.01	100/NA	1.48	4.5 mL	Corrosive/avoid skin contact
Acetic Acid TM 	60.05	117.7/11.7	1.049	3.0 mL	Corrosive/avoid skin contact

Pre-Lab 3 Quiz: Lab 4- Preparation of Benzil from Benzoin

Name: _____ Date: _____

1. Write the balance equation including nitric acid for the oxidation of benzoic to benzoic and how many moles of nitric acid is required for each benzoic mole? (10 pts)

2. Why this reaction has to be carried-out in a fume hood? (10 pts)

3. The UV spectra of benzoin shows a peak at λ_{max} EtOH (247) nm and moves to higher λ_{max} EtOH (purple color) when NaOH solution added to a ethanol solution of benzoin. Explain this absorption in terms of benzoin structure (10 pts)

4. How many moles are in 4 g of benzoin? (10pts)

flux.

9. What is the theoretical yield of benzil starting with 4 g of benzoin? (10 pts)

Ans

[illegible]

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