

# Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry


By Swiatoslaw Trofimenko

Download now

Read Online 

## Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko

This book deals with polypyrazolylborates (scorpionates), a class of ligands known since 1966, but becoming rapidly popular with inorganic, organometallic and coordination chemists since 1986, because of their versatility and user-friendliness. They can be readily modified sterically and electronically through appropriate substitution on the pyrazole ring and on boron, and have led to a number of firsts in coordination chemistry (first stable  $\text{CuCO}$  complex, first monomeric  $\text{MgR}$  complex, and many other such firsts). Their denticity can range from two to four, their “Bite” can be adjusted, and additional coordinating sites can be added to the pyrazolyl rings. Over 170 different scorpionate ligands are known today, and some are published for the first time in this book. The author, Swiatoslaw Trofimenko, discovered and developed this ligand system and has written several reviews on the subject. The book is intended as a reference work, placing at the researcher's command practically all of the over 1500 references on the subject up, and into 1999, organized both according to the ligand type and according to the metal or metalloid being coordinated. It acquaints the reader with the special features of this ligand system and permits an assessment of what has been done in a given sub-area, and of which areas remain relatively unexplored. It presents procedures for ligand synthesis, and also covers their use in catalysis and in the modelling of biologically active substances.

 [Download Scorpionates: Polypyrazolylborate Ligands and Thei ...pdf](#)

 [Read Online Scorpionates: Polypyrazolylborate Ligands and Th ...pdf](#)

# Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry

By Swiatoslaw Trofimenko

**Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry** By Swiatoslaw Trofimenko

This book deals with polypyrazolylborates (scorpionates), a class of ligands known since 1966, but becoming rapidly popular with inorganic, organometallic and coordination chemists since 1986, because of their versatility and user-friendliness. They can be readily modified sterically and electronically through appropriate substitution on the pyrazole ring and on boron, and have led to a number of firsts in coordination chemistry (first stable CuCO complex, first monomeric MgR complex, and many other such firsts). Their denticity can range from two to four, their "Bite" can be adjusted, and additional coordinating sites can be added to the pyrazolyl rings. Over 170 different scorpionate ligands are known today, and some are published for the first time in this book. The author, Swiatoslaw Trofimenko, discovered and developed this ligand system and has written several reviews on the subject. The book is intended as a reference work, placing at the researcher's command practically all of the over 1500 references on the subject up, and into 1999, organized both according to the ligand type and according to the metal or metalloid being coordinated. It acquaints the reader with the special features of this ligand system and permits an assessment of what has been done in a given sub-area, and of which areas remain relatively unexplored. It presents procedures for ligand synthesis, and also covers their use in catalysis and in the modelling of biologically active substances.

**Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry** By Swiatoslaw Trofimenko **Bibliography**

- Rank: #6124913 in Books
- Brand: Brand: World Scientific Publishing Company
- Published on: 1999-11-15
- Original language: English
- Number of items: 1
- Dimensions: 8.82" h x .81" w x 6.32" l, 1.17 pounds
- Binding: Hardcover
- 282 pages

 [Download Scorpionates: Polypyrazolylborate Ligands and Thei ...pdf](#)

 [Read Online Scorpionates: Polypyrazolylborate Ligands and Th ...pdf](#)

## Download and Read Free Online Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko

---

### Editorial Review

#### Review

"The book is essential for every researcher who makes use of Tp ligands and wishes to avoid duplicating work ...." -- *Angew. Chem. Int. Ed.*, vol. 39, 2000

"This important book, laden with chemical facts, is useful and well written... the definitive source for... scorpionate chemistry...." -- *J. Am. Chem. Soc.*, vol. 122, 2000

### Users Review

#### From reader reviews:

##### Andre Botsford:

Playing with family in the park, coming to see the marine world or hanging out with close friends is thing that usually you might have done when you have spare time, subsequently why you don't try issue that really opposite from that. One activity that make you not feeling tired but still relaxing, trilling like on roller coaster you are ride on and with addition details. Even you love Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry, you may enjoy both. It is very good combination right, you still wish to miss it? What kind of hangout type is it? Oh come on its mind hangout fellas. What? Still don't have it, oh come on its referred to as reading friends.

##### Wilfred Walker:

Your reading 6th sense will not betray you actually, why because this Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry publication written by well-known writer who knows well how to make book which might be understand by anyone who all read the book. Written within good manner for you, dripping every ideas and publishing skill only for eliminate your current hunger then you still question Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry as good book not simply by the cover but also through the content. This is one publication that can break don't ascertain book by its protect, so do you still needing another sixth sense to pick this kind of!? Oh come on your studying sixth sense already alerted you so why you have to listening to one more sixth sense.

##### Christy Fowler:

You are able to spend your free time you just read this book this e-book. This Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry is simple to deliver you can read it in the playground, in the beach, train in addition to soon. If you did not have much space to bring the particular printed book, you can buy the particular e-book. It is make you better to read it. You can save the actual book in your smart phone. And so there are a lot of benefits that you will get when you buy this book.

**Danny Floyd:**

Don't be worry if you are afraid that this book will probably filled the space in your house, you can have it in e-book approach, more simple and reachable. This kind of Scorpionates: Polypyrazolyborate Ligands and Their Coordination Chemistry can give you a lot of close friends because by you checking out this one book you have point that they don't and make an individual more like an interesting person. This particular book can be one of one step for you to get success. This e-book offer you information that probably your friend doesn't realize, by knowing more than various other make you to be great people. So , why hesitate? Let me have Scorpionates: Polypyrazolyborate Ligands and Their Coordination Chemistry.

**Download and Read Online Scorpionates: Polypyrazolyborate  
Ligands and Their Coordination Chemistry By Swiatoslaw  
Trofimenko #KR3AU1SIH79**

# **Read Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko for online ebook**

Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko books to read online.

## **Online Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko ebook PDF download**

**Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko Doc**

**Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko Mobipocket**

**Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko EPub**

**KR3AU1SIH79: Scorpionates: Polypyrazolylborate Ligands and Their Coordination Chemistry By Swiatoslaw Trofimenko**