2. The method of claim 1, wherein the animal is a member selected from the group consisting of a rabbit, a mouse, a sheep, chicken, and a goat.

3. An antibody made by the method of claim 1.

4. The antibody or fragment thereof of claim 3, wherein the antibody is a polyclonal or monoclonal antibody

5. The antibody or fragment thereof of claim 4, wherein the polyclonal antibody is a rabbit antibody.

6. The antibody or fragment thereof of claim 4, wherein the antibody is a Fab or Fab2 fragment.

7. The antibody or fragment thereof of claim 3, wherein the antibody is a recombinant antibody.

8. The antibody or fragment thereof of any one of claims 3-7, which antibody or fragment thereof specifically binds to 5-hydroxytryptamine (5-HT), wherein said antibody has less than 1% cross-reactivity to a member selected from the group consisting of tryptophan, 5-hydroxytryptophan and 5-hydroxyindole acetic acid.

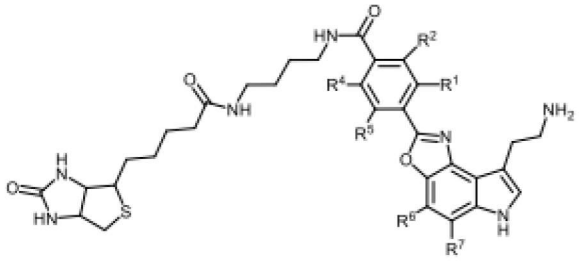
9. A method for assaying a metabolite of serotonin (5-HT) thereof in a fluid or tissue sample from a mammal, the method comprising:

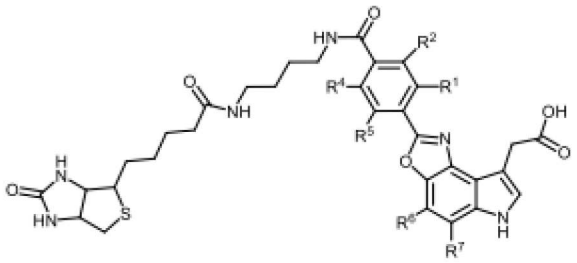
admixing the sample with antibodies of claim 8 that specifically bind to a metabolite of serotonin (5-HT); and

determining whether the antibodies specifically bind to the metabolite, wherein specific antibody binding indicates that the metabolite is present in the sample.

10. The method of claim 9, wherein the assay is a competitive ELISA wherein a metabolite in the sample competes with a labeled hapten.

11. The method of claim 10, wherein the labeled hapten is a member selected from the group consisting of





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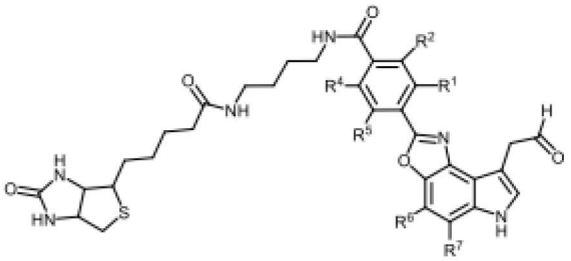

12. The method of claim 1, wherein R is a member selected from the group consisting of amino C_1-C_6 alkyl, carboxy C_1-C_6 alkyl, and substituted carboxy C_1-C_6 alkyl.

13. The method of claim 1, wherein R is a member selected from the group consisting of $-CH_2CH_2NH_2$, $-CH_2CH_2CO_2H$ and $-CH_2CH(NH_2)CO_2H$.

14. The method of claim 1, wherein at least one member of the group of R^1, R^2. R^3, R^4, R^5, R^6, and R^7 is $R^{11}B$.